



REPORT ON DIAMOND DRILLING AND RE-SAMPLING

2019 & 2020

GOLDEN PERIMETER PROPERTY

DOUGLAS, FALLON, FASKEN, LANGMUIR, BLACKSTOCK AND THOMAS TOWNSHIPS

PORCUPINE MINING DIVISION

DISTRICT OF TIMISKAMING AND COCHRANE

PROVINCE OF ONTARIO

NTS: 42A/02, 42A/03, 42A/06, 42A/07

Prepared by:

Conor McKinley, M.Sc., P.Geol.

Neal Maguire, B.Sc.

Ian Cunningham-Dunlop, B.Sc., P.Eng.

Of

HighGold Mining Inc.
Suite 320 – 800 West Pender Street
Vancouver, BC, CANADA
V6C 2V6

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1 SUMMARY OF PROGRAM

HighGold Mining Inc. (“HighGold”) acquired the 100%-optioned Golden Perimeter property via its spin-out from Constantine Meal Resources Ltd in August 2019. The Golden Perimeter property is located south of Timmins, Ontario on the south and southeast edges of the Shaw Dome geological structure and is most prospective for calc-alkaline intrusion-associated disseminated sulfide/gold deposits. This report summarizes the initial consultations, reconnaissance work and diamond drilling on the property.

Exploration work completed by HighGold between October and December 2019 included surveying of historic drill collars, reviewing and resampling historic drill core and induced polarization (IP) ground geophysical surveying to evaluate the potential for gold mineralization on the property, to approximate past drilling results where assays were missing, and to generate targets for follow-up drilling.

Between February 27th and March 16th, 2020, HighGold completed 1,552.5 meters of diamond drilling totaling six holes. A complete list of significant assay intersections can be found in Table 1. The drilling targeted areas of historical 1980s-era drilling, new airborne magnetic and ground induced polarization geophysical anomalies, and an extensive monzonite for potential intrusive-related gold prospects. The intrusive bodies are hosted within mafic and ultramafic volcanics of the Tisdale group, the same geological formation that hosts the majority of the shear-hosted gold mineralization within the main Timmins gold camp.

The initial two drill holes were designed to twin and step-out from a historic drill hole (280A-18A) that contained one of only two available historic assay intervals (43.0 g/t Au over 20cm). One drill hole tested a magnetic low and a strong carbonate-silica-fuchsite alteration zone along strike from anomalous gold values identified in historic drill core (1.6 g/t Au over 81cm). Two drill holes were planned to test a geophysical anomaly (magnetic low/ resistivity low/ chargeability high) along strike from anomalous gold (5.1 g/t Au over 46cm, 2.4 g/t over 37cm and 2.8 g/t Au over 60cm in historic drill hole 280A-06) disseminated throughout a monzonite intrusion. One hole was abandoned at 69 meters because of the postponement of the drill program due to the COVID-19 pandemic.

The reconnaissance-style drill program successfully identified widespread gold mineralization over an 850-meter-long trend consisting of gold ± silver bearing quartz veins in a variable altered and pyritic monzonite intrusion, including:

- 10.30 g/t Au and 42.80 g/t Ag over 0.2 meters
- 2.30 g/t Au over 0.9 meters
- 0.50 g/t Au over 4.7 meters
- 4.04 g/t Au over 0.3 meters
- 4.82 g/t Au and 57.50 g/t Ag over 0.3 meters

Based on the results in this report, a minimum 1000-meter follow-up diamond drill program is recommended. Highest priority targets include: 1) re-entry of abandoned hole GP20-

06, 2) step-out from mineralized zones in hole GP20-01 and GP20-02; and 3) step-out along strike from fuchsite-altered ‘green carbonate’ vein zone in hole GP20-03.

Table 1 Significant assay results from 2020 drilling on the Golden Perimeter Property

Drill Hole	From (meters)	To (meters)	Intercept (meters)	Au (g/t)	Ag (g/t)	Host Rock
GP20-01	33.0	34.8	18	0.43	<0.5	Monzonite
GP20-01	97.9	100.1	2.2	0.72	0.29	Monzonite
<i>Including</i>	98.3	99.1	0.8	132	<0.5	Monzonite
GP 20-01	137.5	137.9	0.4	1.86	1.40	Monzonite
GP20-01	169.9	170.8	0.9	2.30	<0.5	Monzonite
Including	169.9	170.2	0.3	6.27	<0.5	Monzonite
GP20-01	185.0	186.0	10	155	<0.5	Monzonite
GP20-01	215.9	225.0	9.1	0.40	116	Monzonite
Including	215.9	216.6	0.7	3.64	12.59	Monzonite
<i>Including</i>	215.9	216.1	0.2	10.30	42.80	Monzonite
GP20-01	276.6	278.5	19	0.47	0.21	Monzonite
<i>Including</i>	278.1	278.5	0.4	190	100	Monzonite
GP20-02	516	52.0	0.4	2.41	7.80	Monzonite
GP20-02	78.7	80.5	18	0.49	<0.5	Monzonite
GP20-02	90.0	915	15	0.55	<0.5	Monzonite
GP20-02	132.5	137.2	4.7	0.50	<0.5	Monzonite
Including	132.5	133.0	0.5	2.36	0.50	Monzonite
<i>And</i>	136.2	137.2	10	101	100	Monzonite
GP20-03	<i>No significant intersection</i>					
GP20-04	63.7	64.7	10	0.66	<0.5	Komatiite Spinifex
<i>Including</i>	64.3	64.7	0.4	127	<0.5	Komatiite Spinifex
GP 20-04	127.2	127.5	0.3	4.04	<0.5	Monzonite
GP20-05	297.2	297.5	0.3	4.82	57.50	Monzonite

2 LOCATION, ACCESS, PHYSIOGRAPHY, CLIMATE AND LOCAL RESOURCES

The property is located 28 kilometers southwest of Timmins, Ontario, primarily in Thomas, Blackstock, Fallon and Douglas townships, and small portions in Langmuir and Fasken townships (Figure 1). The drilling area is accessible via a network of logging roads from Langmuir and Carmen Roads or Gibson Lake Road.

The project is in a region of moderate topographic relief. Elevations range from approximately 275 to 330 meters above sea level. Hydrographically, a few small lakes, creeks and swamps are found in the surrounding area with three main rivers (Forks, Night Hawk and Whitefish) draining northward into James Bay via Night Hawk Lake and the Abitibi River. Poplar and/or spruce forest covers most of the property with several alder-spruce-muskeg swamps. Pleistocene glaciolacustrine and minor glaciofluvial deposits cover much of the property, and drilling indicates overburden cover is locally greater than 60 meters.

Climatic conditions are typical of northern Ontario with short, mild summers and long, cold winters. Average temperatures for nearby Timmins range from -17.5°C in January to $+17.4^{\circ}\text{C}$ in July, with average annual precipitation of 831 mm.

Power, road and rail transportation are readily available. A skilled labor force providing all necessary support services and supplies can be found in the nearby active mining city of Timmins.

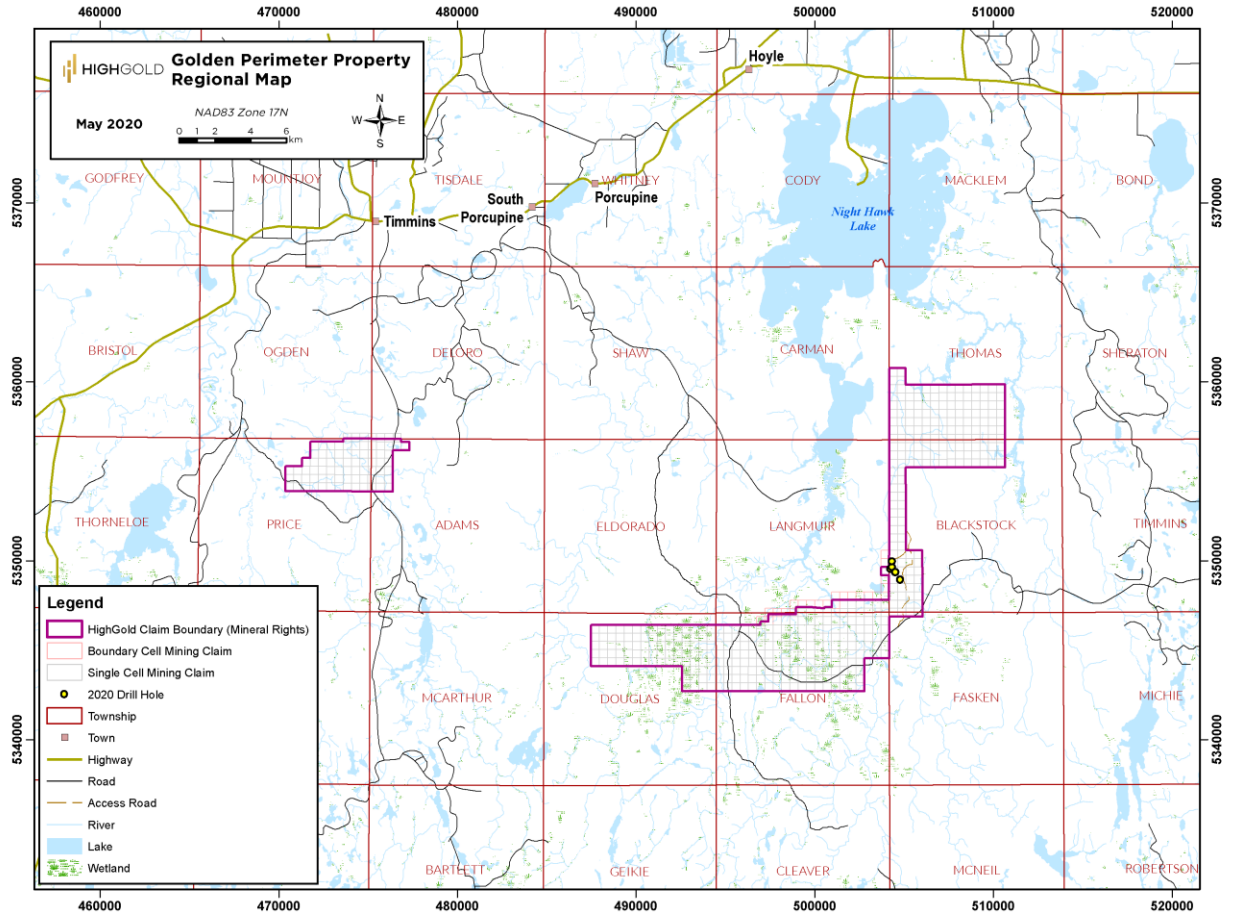


Figure 1 Regional location map of the Golden Perimeter project area

3 PROPERTY DESCRIPTION

The Golden Perimeter ‘Main Block’ consists of 494 contiguous unpatented mining claims (approx. 10,200 hectares) primarily within Thomas, Blackstock, Fallon and Douglas townships, and small portions in Langmuir and Fasken townships (Figure 1). The claims are owned by David Meunier and are currently under 100% option to HighGold. A list of claims is provided in Appendix I.

4 PREVIOUS WORK

Historic exploration has been intermittent across the property and has primarily focussed on nickel exploration. Due to the large land package in the Golden Perimeter Main Block, this section will summarize previous work by four township groupings to differentiate its proximity to the work conducted in this report (i.e. Douglas Twp in the west, Fasken/Fallon Twp in southeast/central, Langmuir/Blackstock in the center of the property and Thomas in the northeast).

The only significant gold exploration work on the property was conducted by Dome Exploration Canada Ltd/ Placer Dome between 1985 and 1988 and included 9,209 meters of diamond drilling.

Fallon/Fasken Townships

1965 International Kenville Gold Mines: *Nickel exploration.* Ground magnetic/electromagnetic (mag/EM) geophysical survey and five diamond drill holes (618 meters). Four conductive anomalies identified. No drill intersection of EM conductor target.

1966 United Buffadison: *Nickel/base metal exploration.* Reconnaissance ground mag/EM geophysical survey, soil sampling and five diamond drill holes (398 meters) to test Cu, Zn, Pb soil anomalies. Two holes lost in overburden. Several mag highs attributed to diabase outcrops.

1978/1979 Dave Meunier: One diamond drill hole (80 meters).

1980/1981 Teck Exploration Ltd. : *Paleo-placer gold exploration.* Geological mapping and prospecting. Refraction seismic orientation survey. Magnetometer survey. Eight diamond drill holes (1,644 meters). No evidence of fluvial processes in sedimentary deposition.

1981-1982 Noranda Exploration Co.: *Base metal exploration.* Ground mag and HLEM max/min geophysical survey. Several weak to moderate conductors identified. Trenching, maybe drilling, recommended.

1983-1984 Dave Meunier +/- Newmont Exploration Canada Ltd.: Geological mapping, airborne and ground mag/EM geophysics. Several VLF EM conductors could be mineralized flow tops or interflow. Quartz-carbonate veined contact aureole identified around the Fallon Stock, with associated albite and epidote alteration and trace pyrite. Identified Fallon Stock as possible source for mineralizing fluids.

1987 Agassiz Resources Ltd.: Ground magnetometer and VLF EM surveys. Several VLF EM anomalies identified as possible overburden effects or sulfide/graphite or shear zones. Mag anomalies interpreted to be ultramafic volcanics or gabbro.

1997-1998 Abitibi Mining Corp: Total field magnetics and horizontal loop EM surveys. Three bedrock conductors were found and a major north-south fault identified. Three diamond drill holes (416.7 meters) to test HLEM Anomalies – intersected diabase and monzonite with no significant assays.

Douglas

1966 Rowan Consolidated Mines Ltd. : *Nickel exploration.* Magnetometer/EM geophysical survey, geological mapping/prospecting, two diamond drill holes (178.3 meters). Possible ENE fault identified with related mafic/ultramafic intrusions.

1966 Bradex Mines Ltd./ Canadian Lencourt Mines Ltd.: *Nickel exploration.* Magnetometer/EM survey. No conductors identified, although E-W striking fault interpreted.

2006-2008 6398651 Canada Inc.: *Nickel exploration.* Surface sampling (one auger, one rock sample) – no significant results.

Langmuir/Blackstock Townships

1965 Kidd Mining: Geological mapping/prospecting and magnetometer/EM survey. No strong conductors, though a volcanic-intrusive contact was identified. No outcrop found.

1971 Canadian Nickel Co Ltd.: Magnetometer survey. High mag intrusive ultramafic rocks delineated – striking east west in Langmuir, but swinging north into Blackstock township.

1985-1988 Dome Exploration Canada Ltd./ Placer Dome: A major exploration program including HLEM and magnetometer surveys and diamond drilling (9,209 meters in 40 holes) was carried out primarily in southwest Blackstock and southeast Langmuir townships. Drill holes were designed to test geophysical anomalies (magnetics and IP), anomalous gold values from trenching and till samples. Later years allowed follow up on higher gold results.

While five drill holes (holes 280A-3, 5, 6, 7A, 16) were reported to have anomalous gold values in later drill logs, only two assays were filed, including: 98 g/t over 2 cm (hole 280A-20) within a 10-15% carbonate vein breccia and up to 1% coarse pyrite; and 43 g/t over 20cm (hole 280A-18A) in weakly K-metasomatized monzonite with 2-3% quartz-carbonate fracture-fill veins and 1-2% finely disseminated pyrite.

1985 Melrose Resources Ltd.: Magnetometer and VLF-EM surveys to determine the bedrock source of a gold mineralized float sample discovered by prospector W. Dallaire in 1983. Geophysics aided in the interpretation of bedrock geology under thick overburden.

1993 Vera Cruz Minerals Corp.: Magnetometer survey in north-central Blackstock township delineated a 30 hectare oval-shaped magnetic high with coincident structure. Drilling recommended to determine cause of mag high.

1997 Patrician Gold Mines: Magnetometer and HLEM survey in north-central Blackstock township over similar area as past Vera Cruz survey. Identified weak HLEM anomaly coincident with previously known mag anomaly but the EM anomaly could be an overburden response.

2007 Amador Gold Corp: Airborne VTEM and magnetic survey in northeast-central Blackstock and southeast Thomas township. No interpretation provided.

2005-2009 Golden Chalice Resources Inc.: Several major nickel exploration programs consisting of ground magnetometer/HLEM and airborne VTEM geophysical surveys, and 32 diamond drill holes (totaling 2,902 meters). Most of this work was conducted in Langmuir township near the Night Hawk River, outside of the Golden Perimeter property.

Thomas Township

1987-1988 Ventex Energy Ltd: Two diamond drill holes (totaling 516.4 meters) in southwest Thomas township to test magnetic anomalies and possible fault structures. Intersected feldspar-quartz porphyry (possibly monzonite), diorite, and mafic and ultramafic volcanics. Hole HV88-03 reported 10-15% pyrite/pyrrhotite in quartz veining/flooding zones over several meters. No assays reported.

1998 Pacific Van Gold Mines Ltd.: *Base metal* exploration. Ground magnetic/EM geophysical survey in central/southwest Thomas township. No interpretation provided.

All Townships

2018 Constantine Metal Resources Ltd.: Airborne magnetic survey over most of the Golden Perimeter property Main Block.

5 REGIONAL AND PROPERTY GEOLOGY

The Golden Perimeter property is located in the southwestern Abitibi Greenstone Belt (“Abitibi”), which is host to many world-class gold, volcanogenic massive sulfide and nickel-copper-platinum group element deposits. The Abitibi stratigraphy consists of volcanic, sedimentary and intrusive rock believed to have formed in arc and back arc environments and later deformed during continental collision. Strata are generally steeply dipping and divided by east-trending faults.

Many prolific gold camps are structurally controlled and spatially related to the Porcupine Destor Fault Zone, which is the main structural feature in the region. The fault zone is approximately 450 kilometers long and extends from west of Timmins, Ontario to east of Val d’Or, Quebec and has an area of influence up to 10 kilometers wide.

In Ontario, the Abitibi stratigraphy has been divided into six volcanic stratigraphic events (i.e. assemblages) that are unconformably overlain by two sedimentary assemblages (Figure 2; Ayer, et al., 2002a):

2770-2735 Ma Pacaud assemblage
2730-2724 Ma Deloro assemblage
2723-2720 Ma Stoughton-Roquemaure assemblage
2719-2711 Ma Kidd-Munro assemblage
2710-2704 Ma Tisdale assemblage
2704-2696 Ma Blake River assemblage
~~~~ Unconformity ~~~~  
2690-2685 Ma Porcupine assemblage  
2676-2670 Ma Timiskaming assemblage

The description of the Golden Perimeter property geology below is based largely on work of Pyke (1970, 1973 and 1982). Regionally, the property flanks the southeast margin of the Shaw Dome, a northwest-trending anticline, and is underlain by Archean Tisdale Group komatiitic ultramafic flows and tholeiitic mafic to intermediate volcanics (Figure 3). These units have been intruded by the Fallon monzonite stock and two large granodiorite batholiths.

The Fallon Stock monzonite is an ovoid, 7 km by 3.5 km intrusion with a volcanic-contaminated border zone. Granodiorite batholiths underlie most of Blackstock township and the northwest corner of Douglas township, but their temporal relationship to the monzonite is unknown. The granodiorite and monzonite were likely emplaced during or after the waning stages of greenschist-grade regional metamorphism, which is supported by the preservation of their contact aureoles. Foliation in the surrounding volcanics is typically parallel to the intrusive contacts.

Post-tectonic Matachewan diabase dykes intrude the above units and trend north and northeasterly. Minor early Proterozoic argillite, greywacke and conglomerate of the Cobalt Group (Gowganda Formation) unconformably overlie Early Precambrian stratigraphy in the south-central portion of the property.

Most local faults are north-northwest and north-south trending with sinistral strike-slip displacement. The northwest-trending Montreal River Fault extending through the Fallon monzonite stock is the most prominent break on the property and is estimated to have approximately 300 meters of sinistral offset.



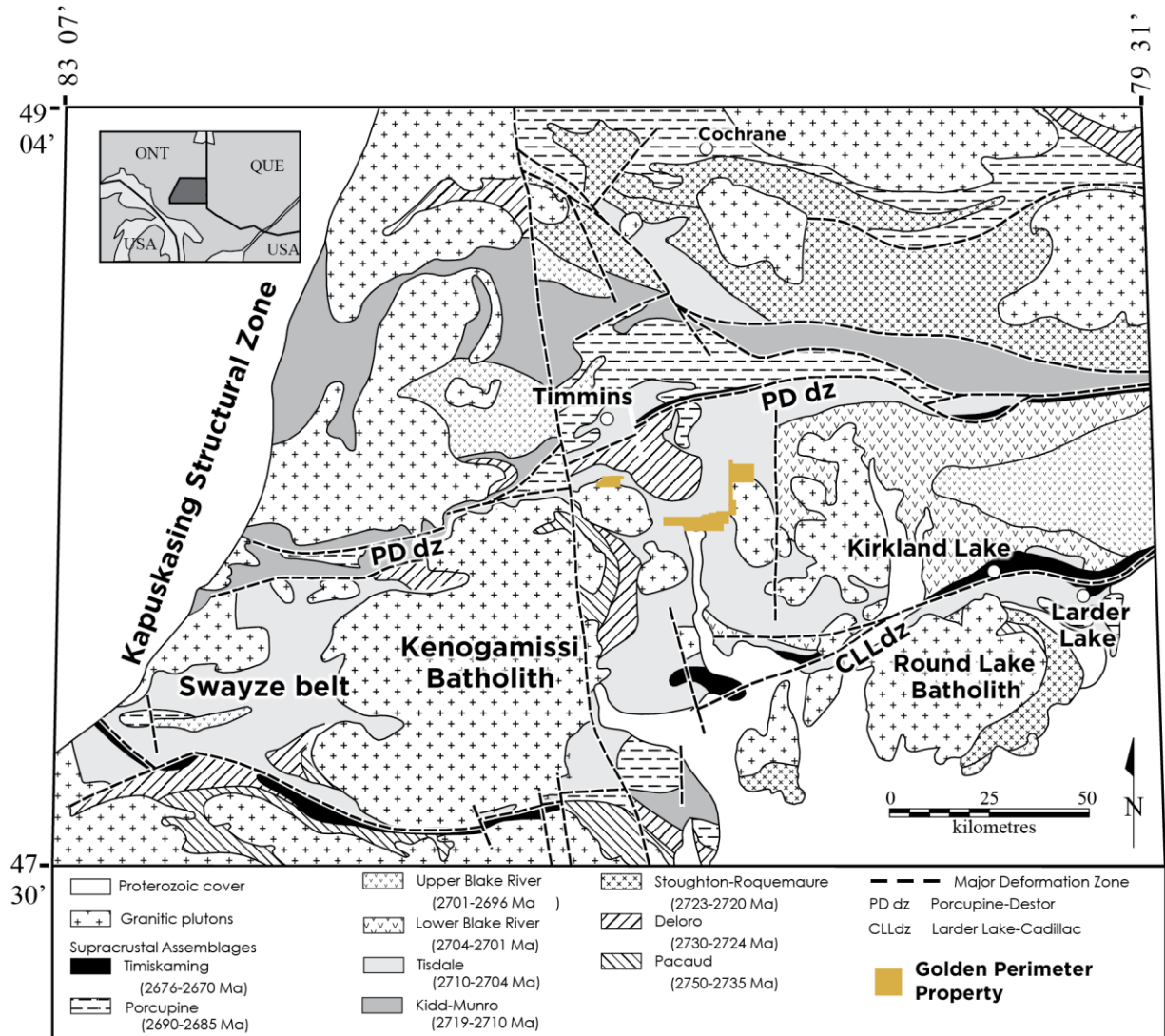
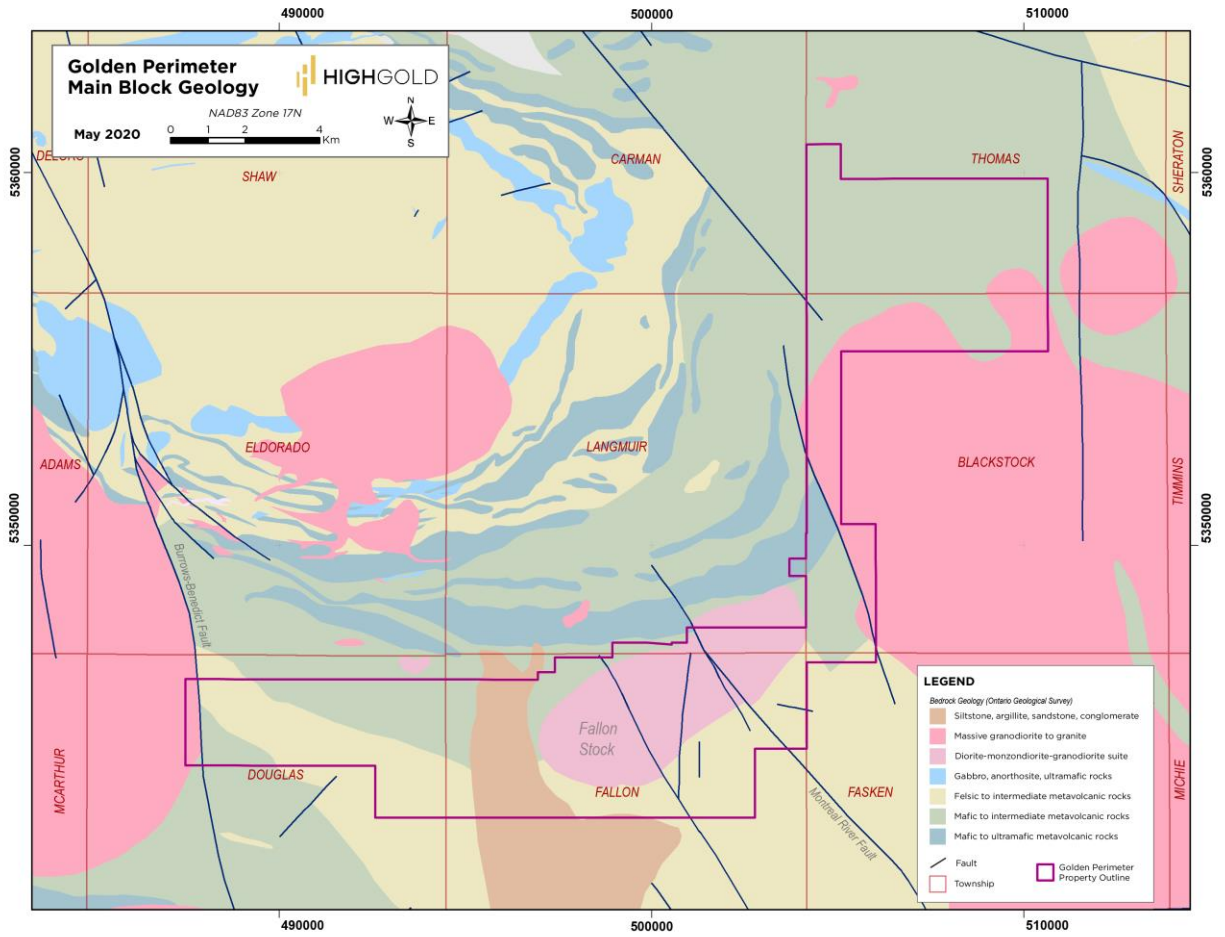


Figure 2 Map of the Abitibi subprovince and distribution of assemblages (Ayer et al., 2002b). Modified from Bateman et al. (2008).



**Figure 3 Geological map of the Golden Perimeter property ‘Main Block’**

## 6 DEPOSIT TYPES AND MINERALIZATION

The geologic environment of the Golden Perimeter Property has the potential to host economic mineralization in the form of:

- Intrusion-associated disseminated gold/sulfide and stockwork mineralization (e.g. Malartic district, Quebec)
- Hydrothermal gold mineralization with intrusion centered quartz-vein arrays (e.g. Dome and Hollinger-McIntyre, Timmins, Ontario)
- Iron formation-associated gold, as identified in Deloro Group calc-alkaline basalts (e.g. Carshaw Deposit)
- Komatiite-hosted Ni sulphide mineralization, as documented in the Shaw Dome Nickel Belt, including the McWatters and Redstone mines to the northwest of the Property.

Current exploration work is targeting primarily calc-alkaline intrusion-associated gold deposits (Robert, 2001; Hart and Goldfarb, 2005). In these deposits, gold mineralization is typically associated with stockwork zones of quartz-albite–K-feldspar veinlets and intervening disseminated pyrite in altered monzonite or syenite porphyry.

Documented gold mineralization on (or very close to) the property consists of references to anomalous gold values in historic drill logs by Dome Exploration Canada Ltd./ Placer Dome (1985-1988). Despite being the only reported assays from historic gold exploration, highlight drill intersections these drill programs include:

- 1) **98 g/t over 2 cm** within a 10-15% carbonate vein breccia and up to 1% coarse pyrite; and,
- 2) **43 g/t over 20 cm** within weakly K-metasomatized monzonite with 2-3% quartz-carbonate fracture-fill veins and 1-2% finely disseminated pyrite.

## **7 FALL 2019 RE-SAMPLING PROGRAM**

### **7.1 Consultation**

Between September 21<sup>st</sup> and 24<sup>th</sup>, 2019, HighGold employees Ian Cunningham-Dunlop and Conor McKinley held in-person meetings with members of aboriginal communities that were identified for consultation by the Ontario Ministry of Energy, Northern Development and Mines. The communities and representatives that were consulted include:

- Matachewan First Nation (Kayla Schram, Mineral Development Advisor)
- Mattagami First Nation (Chief Chad Boissoneau, Leonard Naveau - Councillor, Tim Harvey - Lands and Resources Coordinator, Devin Naveau – Councillor)
- Wahgoshig First Nation (Brian Gelinias – Mining Coordinator, and Aaron Tremblay) and Ken Petersen (Petersen Consulting)
- Metis Nation of Ontario (Andy Lefebvre - Mineral Development Advisor)

The meetings served as an introduction to HighGold, its newly acquired Golden Perimeter project, and to consult on long term exploration plans. No concerns were raised from any of the communities and we agreed to begin negotiations on an Exploration Agreement for the property.

### **7.2 Program Planning**

A project planning and reconnaissance trip took place between September 25<sup>th</sup> and 29<sup>th</sup>. Conor McKinley and prospector/claim holder David Meunier traversed the area where Dome Canada Exploration Ltd./ Placer Dome, henceforth “Placer Dome”, completed the bulk of their diamond drilling on the property from 1985-1988. The objective of the visit was to locate drill collars to determine their GPS coordinates, since the drilling was completed using a historical grid. Only two drill collars were found (280A-3 and 280A-30) owing to significant burial under slash piles from logging operations and overgrown alders in subtle clearings. Testing the ground using a CST/Berger Magna-Trak Underground Magnetic Locator also did not help in finding any casing, although additional attempts are recommended.

Drill coordinates (UTM NAD 83) were eventually calculated from georeferenced magnetic survey maps with the historical grid in ArcGIS. Ground truth verification of these calculated collar locations is recommended in spring/early summer months before the leaves fall and colours change, masking any potential drill casing.

### **7.3 Program Summary**

Field crews mobilized to Timmins on November 2<sup>nd</sup> to set up the core shack and undergo safety orientation and training. From November 5<sup>th</sup>-8<sup>th</sup>, three staff visited Newmont’s Dome Mine in Timmins to retrieve historical core drilled by Placer Dome between 1985 and 1988 (Project 280A). The core was transported from Dome Mine to the HighGold core shack using a HIAB truck on November 8<sup>th</sup>. Review of historic logs, data entry and core cutting took place from November 9<sup>th</sup> to December 5<sup>th</sup>.

Re-sampled drill holes are summarized in Table 2. Drill holes have the prefix “GP-” added to Placer Dome hole IDs to indicate work completed by HighGold. Seven priority drill holes were reviewed against historical core logs, entered into the company database and re-sampled in efforts to replicate missing historical assays and to aid drill budgeting and targeting.

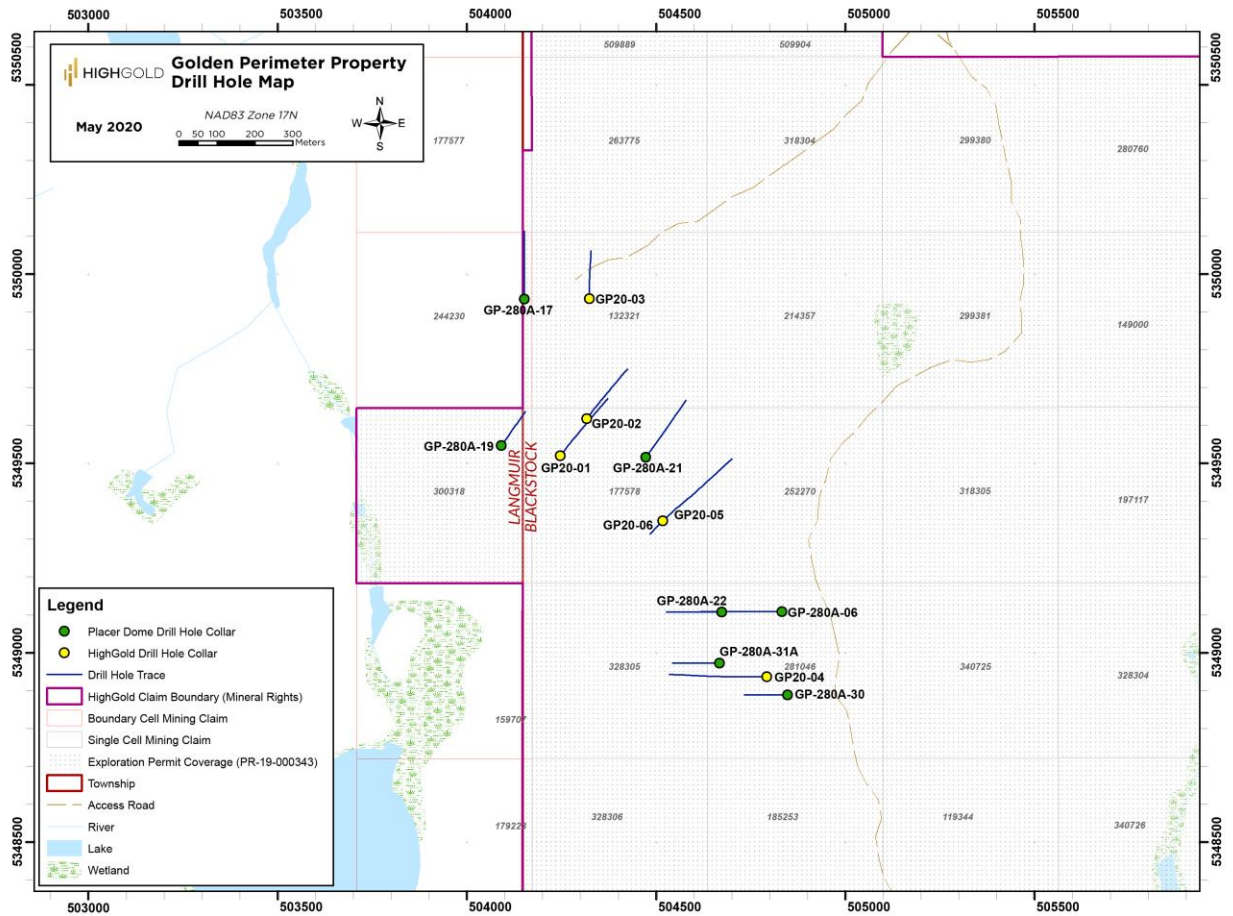


Figure 4 Plan map of 2019 re-logged drill holes and 2020 drilling

**Table 2 Summary of re-logged Placer Dome drill holes**

| Hole        | Easting (NAD83 17N) | Northing (NAD83 17N) | Elevation (m) | Claim(s)         | Azimuth (°) | Dip (°) | Length (m) | Overburden Depth (m) | Recovered From (m) | Recovered To (m) | Total Recovered (m) | Samples Collected | Samples Assayed |
|-------------|---------------------|----------------------|---------------|------------------|-------------|---------|------------|----------------------|--------------------|------------------|---------------------|-------------------|-----------------|
| GP-280A-06  | 504832              | 5349108              | 311           | 281046<br>328305 | 270         | -45     | 301.18     | 69.49                | 69.49              | 301.18           | 231.69              | 246               | 246             |
| GP-280A-17  | 504151              | 5349934              | 299           | 244230           | 000         | -45     | 253.70     | 14.02                | 106.06             | 253.70           | 147.64              | 78                | 78              |
| GP-280A-19  | 504091              | 5349547              | 298           | 300318           | 035         | -45     | 300.23     | 17.06                | 159.80             | 300.23           | 140.43              | 133               | 133             |
| GP-280A-21  | 504473              | 5349516              | 305           | 177578<br>132321 | 035         | -45     | 260.60     | 53.95                | 53.95              | 192.00           | 138.05              | 90                | 90              |
| GP-280A-22  | 504673              | 5349107              | 308           | 281046<br>328305 | 270         | -45     | 206.04     | 58.52                | 58.52              | 206.04           | 147.52              | 70                | 70              |
| GP-280A-30  | 504847              | 5348888              | 309           | 281046           | 270         | -45     | 157.90     | 49.07                | 49.07              | 157.88           | 108.81              | 62                | 62              |
| GP-280A-31A | 504667              | 5348973              | 306           | 281046<br>328305 | 270         | -45     | 185.32     | 62.79                | 62.79              | 185.32           | 122.53              | 51                | 51              |

**Table 3 Distribution of Work by Claim**

| Hole                       | Length (m) | Drill meterage by claim (m) |        |        |        |        |        |        |
|----------------------------|------------|-----------------------------|--------|--------|--------|--------|--------|--------|
|                            |            | 281046                      | 328305 | 244230 | 300318 | 132321 | 177578 | 252270 |
| GP-280A-06                 | 301.18     | 275.2                       | 25.9   |        |        |        |        |        |
| GP-280A-17                 | 253.70     |                             |        | 253.7  |        |        |        |        |
| GP-280A-19                 | 300.23     |                             |        |        | 300.2  |        |        |        |
| GP-280A-21                 | 260.60     |                             |        |        |        | 22.9   | 237.7  |        |
| GP-280A-22                 | 206.04     | 51.3                        | 154.8  |        |        |        |        |        |
| GP-280A-30                 | 157.90     | 157.9                       |        |        |        |        |        |        |
| GP-280A-31A                | 185.32     | 47.4                        | 137.9  |        |        |        |        |        |
| GP20-01                    | 300.0      |                             |        |        |        | 49.6   | 250.4  |        |
| GP20-02                    | 240.0      |                             |        |        |        | 189.3  | 50.7   |        |
| GP20-03                    | 201.0      |                             |        |        |        | 201.0  |        |        |
| GP20-04                    | 393.0      | 236.9                       | 156.1  |        |        |        |        |        |
| GP20-05                    | 349.5      |                             |        |        |        |        | 224.0  | 125.5  |
| GP20-06                    | 69.0       |                             |        |        |        |        | 69.0   |        |
| <b>Total per claim (m)</b> |            | 768.7                       | 474.7  | 253.7  | 300.2  | 462.8  | 831.8  | 125.5  |
| <b>% Credit Allocation</b> |            | 24%                         | 15%    | 8%     | 9%     | 14%    | 26%    | 4%     |

## 7.4 Field Personnel

The field program was supervised by Conor McKinley, P.Geol., and supported by geologists Rachel Kim and Kim Hatcher and contract core cutters Clayton Larche and Ken Pye. For reporting and Canadian securities regulations purposes, Ian Cunningham-Dunlop, P.Eng., is the Qualified Person for the project, as defined under National Instrument 43-101.

## **8 WINTER 2020 DIAMOND DRILL PROGRAM OVERVIEW**

### **8.1 Consultation**

In December 2019, HighGold engaged Terry Bursey (President/Owner, Rimini Exploration and Consulting Ltd) to assist with aboriginal consultation and the negotiation of an Exploration Agreement. Between December 2020 and the end of February 2020, Terry worked on drafts of the Exploration Agreement, compiled consultation logs and made correspondence with the various communities.

On February 5<sup>th</sup>, 2020, an in-person meeting was held at the Wabun Tribal Council office in Timmins and included HighGold representatives (Ian Cunningham-Dunlop, Conor McKinley and Terry Bursey) and representatives of Matachewan First Nation (Kayla Schram), Mattagami First Nation (Tim Harvey), Wabun Tribal Council (Nicole Charbonneau), and Wahgoshig First Nation (Lance Black and Ken Petersen). The meeting included a page-flip of the latest draft Exploration Agreement and consultation on upcoming field work at Golden Perimeter. No concerns were raised with respect to the upcoming drill program.

### **8.2 Field Program Summary**

Field crew mobilized to Timmins on February 18<sup>th</sup> to setup the core shack, line up drill sites and to conduct field safety orientation and training. Drill and support equipment began mobilizing to site on February 24<sup>th</sup>, with drilling commencing on February 27<sup>th</sup>. Drilling was postponed indefinitely due to the COVID-19 pandemic on March 16<sup>th</sup> and all equipment was demobilized by March 20<sup>th</sup>. All field work was completed by March 21<sup>st</sup>.

A total of 6 holes, totaling 1,552.5 meters (270.0m overburden and 1,282.5m core), were drilled (Table 4, Figure 4). This includes the final hole that was not completed due to the postponement of the drill program (hole GP20-06).

Exploration drilling was conducted under the Ministry of Energy, Northern Development and Mines (MENDM) exploration permit No. PR-19-000343. This permit allows for mechanized drilling from up to 20 drill pads and expires on 2023/02/17.



**Photo 1 Drill rig at GP20-01 site**

**Table 4 Summary of 2020 drill holes**

| Hole    | Easting<br>(NAD83 17N) | Northing<br>(NAD83 17N) | Elevation<br>(m) | Claim(s)       | Azimuth<br>(°) | Dip<br>(°) | Length<br>(m) | Start Date | End Date   | Overburden<br>Depth (m) | Samples<br>Collected | Samples<br>Assayed |
|---------|------------------------|-------------------------|------------------|----------------|----------------|------------|---------------|------------|------------|-------------------------|----------------------|--------------------|
| GP20-01 | 504247                 | 5349520                 | 300              | 177578, 132321 | 035            | -45        | 300.0         | 2020-02-27 | 2020-03-01 | 31.2                    | 235                  | 235                |
| GP20-02 | 504316                 | 5349618                 | 302              | 177578, 132321 | 035            | -45        | 240.0         | 2020-03-02 | 2020-03-04 | 39.6                    | 186                  | 186                |
| GP20-03 | 504323                 | 5349935                 | 302              | 132321         | 000            | -50        | 201.0         | 2020-03-05 | 2020-03-07 | 39.0                    | 34                   | 34                 |
| GP20-04 | 504792                 | 5348936                 | 308              | 281046, 328305 | 270            | -50        | 393.0         | 2020-03-07 | 2020-03-12 | 42.0                    | 407                  | 407                |
| GP20-05 | 504517                 | 5349348                 | 305              | 177578, 252270 | 045            | -45        | 349.5         | 2020-03-12 | 2020-03-16 | 70.2                    | 406                  | 406                |
| GP20-06 | 504517                 | 5349348                 | 305              | 177578         | 225            | -45        | 69.0          | 2020-03-16 | 2020-03-16 | 48.0                    | 0                    | 0                  |

### 8.3 Field Personnel

The field program was supervised by Conor McKinley, P.Geo., and supported by geologists Neal Maguire, Jessica Roberts, and Kim Hatcher. Core technicians and core cutters were contracted from Workforce North in Timmins. Site visits were conducted by Ian Cunningham-Dunlop and Darwin Green. For reporting and Canadian securities regulations purposes, Ian Cunningham-Dunlop, P.Eng., is the Qualified Person for the project, as defined under National Instrument 43-101.



#### **8.4 Drilling Contractor**

The local Timmins branch of Major Drilling Group International Inc. was contracted to perform the drilling services, including road clearing. A skid-mounted, fully hydraulic VD5000 diamond drill was selected for the job. Support equipment included a bulldozer and Morooka rubber track carrier. Major Drilling also provided survey tools rented locally from Reflex.

## **9 SAMPLING AND ANALYTICAL TECHNIQUES**

### **9.1 Sampling Methods**

Drill core sampling was completed by properly trained and supervised employees at a secured core shack facility. Sample preparation and security measures were undertaken in accord with currently acceptable methods and standards in use in the mineral exploration industry.

Samples were cut by a diamond blade rock saw, with half of the core placed in individually labelled and sealed polyurethane bags and half placed back in the original core box for storage at the HighGold core shack in Porcupine, Ontario. Typical sample lengths vary from a minimum of 0.3 meters to a maximum of 1.5 meters. Samples were cut along the apical trace of veining or other prominent planar features within the sample intervals.

In sampling the historical Placer Dome core, historical sample locations were replicated wherever possible by referring to old drill logs, and extra samples were taken where drill core with prospective veining or alteration was not previously split. For core that had already been split and sampled, a quarter of the original core was left in the box, whereas half of the original core was left in the box for newly sampled intersections.

Individually bagged samples were placed in sealed woven plastic bags for shipping and driven by HighGold personnel to the ALS Geochemistry prep facility in Timmins, Ontario. Sample preparation was completed in Timmins, Ontario, before prepped pulps were shipped to ALS Geochemistry in North Vancouver, British Columbia for analysis.

### **9.2 Laboratory Analytical Techniques**

Sample prep was completed using ALS method PREP-31A, which combines drying, crushing, splitting, and pulverization. Each sample was crushed until at least 70% passed through a 2mm mesh screen. A 250g sub-sample was collected from each crushed sample using a riffle splitter and then pulverized until 85% of the sub-sample passed through a 75-micron mesh screen.

Four acid digestion ICP (ALS method ME-ICP61) was performed for analysis of 33 elements: Ag, Al, As, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Sc, Sr, Th, Ti, Tl, U, V, W, and Zn. The method utilizes inductively coupled plasma-atomic emission spectrometry (ICP-AES) conducted on 0.25 g of prepared sample digested in perchloric, nitric, hydrofluoric and hydrochloric acids. For samples in which Cu, Zn, Pb, or Ag values exceeded the ME-ICP61 upper detection limit, ALS method OG62 was utilized – a four-acid ICP-AES technique calibrated for ore grade mineralization. For samples in which Ag exceeded the OG62 upper detection limits, Ag by fire assay and gravimetric finish (Ag-GRA21) was used.

Gold analyses were performed on a 50g sub-sample using ALS method Au-AA26; fire assay fusion with atomic absorption spectroscopy (AAS) finish.

On select samples, a complete characterization package (ALS method CCP-PKG03) that consists of several methods was performed for the analysis of 65 oxides and elements. This analytical package also includes measurement of loss on ignition (LOI). Individual methods consist of ALS methods ME-XRF26, ME-MS81, ME-4ACD81, ME-MS42, and ME-IR08. ALS

method ME-XRF26 is a 13-element oxide package where the sample is prepared utilizing lithium borate fusion into a fused disc where it is then analyzed by XRF spectrometry. This method yields Al<sub>2</sub>O, BaO, CaO, Cr<sub>2</sub>O<sub>3</sub>, Fe<sub>2</sub>O<sub>3</sub>, K<sub>2</sub>O, MgO, MnO, Na<sub>2</sub>O, P<sub>2</sub>O<sub>5</sub>, SO<sub>3</sub>, SiO<sub>2</sub>, and TiO<sub>2</sub>. The ALS Method ME-MS81 is a 31-element package that includes Ba, Ce, Cr, Cs, Dy, Er, Eu, Ga, Gd, Hf, Ho, La, Lu, Nb, Nd, Pr, Rb Sm, Sn, Sr, Ta, Tb, Th, Tm, U, V, W, Y, Yb, Zr is a lithium borate fusion technique followed by acid dissolution and ICP-MS analysis. The elements As, Bi, Hg, In, Re, Sb, Se, Te and Tl were analyzed using the aqua regia digestion and ICP-MS method (ALS method ME-MS42) while elements C, and S were analyzed by combustion furnace (ALS methods C-IR07 and S-IR08, respectively). The ME-4ACD81 is an identical method to the main four acid digestion ICP method (ME-ICP61) except it yields results for only 10 elements: Ag, Cd, Co, Cu, Li, Mo, Ni, Pb, Sc, Zn.

### **9.3 QA/QC Program and Data Verification**

Quality control data for the Golden Perimeter project include both internal and external quality control measures. ALS Geochemistry implemented internal laboratory measures consisting of quality control samples (blanks and certified reference materials and duplicate pulp) within each batch of samples submitted for assaying. All quality control data was reviewed regularly by Conor McKinley, P.Ge and Ian Cunningham-Dunlop, P.Eng.

HighGold implemented quality control measures for the 2020 drill program. Standards were inserted at every 20 samples, specifically sample numbers ending in 00, 20, 40, 60, and 80. Certified Reference Standard Materials used were OREAS 201, 205, 207, 218, 251 and 255 pulps acquired from OREAS North America Inc. Blanks were inserted every 20 samples, specifically sample numbers ending in 10, 30, 50, 70, and 90 Crusher blank material was sourced from ALS Geochemistry prep lab in Timmins. Duplicates were also collected at every 33 samples, most often for sample numbers ending in 33, 66, 99. Duplicates were collected by further cutting the core in quarters.

## 10 RESULTS AND INTERPRETATION

Tabulated significant individual assay results and calculated composite intercepts from 2020 drilling are found in Table 1. Detailed drill log reports and gold assay values are included in Appendix II. Lithology and gold assay values are plotted on geological cross sections in Appendix III. Fire assay and multi-element geochemistry certificates are included in Appendix IV.

### 10.1 Placer Dome Re-sampling

Of 730 drill core samples, 22 contain >0.5 g/t Au, with a maximum value of 5.1 g/t Au over 46 cm. While unable to replicate the higher historical assay intersections of 43 g/t Au over 20cm (280A-18) and 98 g/t over 2cm (280A-20), several elevated gold zones have been identified.

Elevated gold zones (length weighted) include:

- 1.1 g/t Au over 2.9 meters (131.0-133.9m; GP-280A-06) in quartz veined monzonite with 1-5% pyrite and local bleaching
- 2.8 g/t Au over 0.5 meters (142.3-142.8m; GP-280A-06) in monzonite with a 15 cm quartz vein containing 5% pyrite
- 0.8 g/t Au over 3.0 meters (162.1-165.1m; GP-280A-17) in Fe-carbonate-silica-fuchsite altered ultramafic volcanics with 2-4% pyrite and abundant quartz/quartz-carb veining
- 0.9 g/t Au over 0.7 meters (143.7-144.4m; GP-280A-21) in Fe-carbonate/albite-altered monzonite with 10% quartz-carbonate veins and 4% pyrite.

Higher gold values in Dome Exploration drill holes 280A-19 (0.5-0.6 g/t Au) and 280A-21 (0.9 g/t Au) may correlate with the historical assay intersection of 43 g/t Au over 20 cm in 280A-18, which would have a strike length of approximately 360 meters.

Overall, the results provided several target areas for follow-up during an upcoming drill program.

### 10.2 2020 Drilling

#### *10.2.1 Hole GP20-01*

Drill hole GP20-01 was designed to twin historic drill hole 280A-18A drilled by Dome Exploration, which reported a narrow intercept of 43 g/t Au over 20 cm within veined and altered monzonite. While this hole did not intersect any anomalous veining at the ~258-meter target depth that would correlate with hole 280A-18A, several other prospective sulphidic veins and alteration zones were intersected throughout the hole. Anomalous gold values are scattered throughout the hole, with best values being associated with finely pyritic quartz veins in carbonate/sericite-altered or strongly K-feldspar ± hematite-altered monzonite (10.3 g/t Au and 42.8 g/t Ag in a 20 cm sample and 6.3 g/t in a 30 cm sample).

Monzodiorite interlayered with komatiite comprises the stratigraphy above and below the main monzonite body. Within the monzonite, pyrite up to 2% is disseminated throughout the rock, and is present as blebs in veins. Alteration, though variable, is mainly moderate to strong,

consisting of K-metasomatism, ankerite, and silica, with weaker albite and calcite. Fractures in this sequence are locally coated with specular hematite up to ~2mm. Komatiites in this sequence are massive, and typically moderately serpentinized. They contain trace amounts of fine-grained disseminated pyrite, are locally weakly fuchsite altered around veins, and are locally foliated. These interlayered sequences may be prospective because the rheology contrast between the komatiites, which are relatively soft, and the intrusives, which are relatively hard, could create a fluid conduit at the contacts.

Stratigraphy in the drill hole is dominated by monzonite from 77.9-268.7 meters. Alteration consisting of K-feldspar, calcite, albite, sericite, and silica is weak to moderate in envelopes around veins, locally increasing to strong intensity. Very fine-grained pyrite (and lesser molybdenite) is disseminated throughout the unit, with concentrations up to 2%. Of the multiple vein types in the monzonite, the most prospective are quartz veins that contain bands of fine-grained molybdenite and pyrite, are slightly vuggy, and up to ~10 cm thick. Mineralized veins also contain trace amounts of blebby medium-grained (2-3 mm) chalcopryrite. These veins comprise ~1% of the volume of the monzonite intersection. The hole was terminated at 300 meters in massive, carbonate-altered, locally serpentinized komatiite.

#### *10.2.2 Hole GP20-02*

Drill hole GP20-02 was designed to test 125 meters to the northeast from GP20-01, which twinned Dome Exploration hole 280A-18A. The hole targeted a possible extension of high-grade vein mineralization in 280A-18A and the prospective interface of the monzonites and komatiites, where the rheological contrast between the lithologies may provide a pump or trap for hydrothermal gold mineralizing fluids. Anomalous gold values are scattered throughout the hole, with best values being associated with pyritic quartz veins in K-feldspar-altered monzonite (2.4g/t Au 0.5m sample of altered monzonite and 2.4 g/t in a 40 cm pyritic quartz vein).

Stratigraphy in the drill hole consists of altered monzonite interlayered with komatiite. Monzonite units have generally been moderately K-metasomatized, and variably albite-altered and carbonate-altered. Alteration is strongest in surrounding vein envelopes, and patchy magnetism is common outside alteration halos. Very fine-grained pyrite is disseminated through the monzonites and is present in lower concentrations in komatiites. Molybdenite and specular hematite fill and coat fractures in the monzonite. Several types of veins including fracture-filling calcite veinlets and thicker, bull quartz veins, though the most prospective vein type is mineralized quartz-ankerite veins, up to ~40 cm wide, which contain disseminated pyrite and trace to minor amounts of fine-grained, blebby molybdenite and local chalcopryrite. These veins may also contain clots of ankerite. Notably thicker veins are intersected from 51.6-52 meters and from 59.9-60.3 meters.

Komatiites in this drill hole are generally carbonate-altered, magnetic, and chloritic, with trace amounts of very fine-grained disseminated pyrite. Komatiites exhibit a variety of textures (i.e., massive, polygonal jointed, pillowed). Quartz-carbonate veinlets typically form a chaotic, fracture-filling stockwork within the ultramafic units. The hole was terminated at 240 meters in talcose, chloritic, massive komatiite.

### 10.2.3 Hole GP20-03

Drill hole GP20-03 was designed to test the geophysical magnetic low and carbonate-fuchsite alteration zone between holes 280A-17 and 280A-12A, and test the edge of a resistivity low and chargeability high (i.e., amenable to hosting disseminated sulphides and/or gold in shear structures). The hole successfully intersected a light green, fine-grained, strongly carbonate-silica-fuchsite-altered komatiite with trace, blebby, fine grained pyrite from 120-129 meters depth. Weaker carbonate-fuchsite alteration is intersected over 38 meters enveloping the strongest alteration zone. No significant gold values were intersected.

The hole is collared in thick overburden and intersects bedrock (massive komatiite) at 39m. The massive komatiite is dark grey to black, fine-grained, moderately magnetic, weakly to moderately talc-altered, and weakly ankerite altered. The komatiite contains speckled patches due to coarser-grained Fe-carbonate replacement. Abundant white chaotic ankerite veins/veinlets are present throughout the komatiite. Komatiite with spinifex texture was intersected over 2 meters at 81.1 meters depth.

Weak to moderate carbonate-fuchsite alteration is intersected at 101 meters. Iron-carbonate alteration is more pervasive while the fuchsite alteration is constrained to certain vein haloes. Stronger alteration zones are mag-destructive, whereas most other komatiite units are magnetic. The alteration follows an increase in planar, quartz>ankerite veins. Chaotic ankerite veining decreases downhole and the veins/veinlets are partly silicified.

A sharp alteration front is intersected at 120 meters where the komatiite becomes strongly carbonate-fuchsite altered and minty green in colour. Moderately abundant milky white, planar quartz-ankerite veins (on average 2 cm thick) are observed throughout this zone. The lower contact of the altered zone is gradational at around 129 meters back into less strongly and more patchily altered massive komatiite as above. Fuchsite alteration is restricted to vein envelopes. Local patches of bright orange Fe-carbonate occur throughout.

A small interval of monzonite is intersected from 196.7-198.6 meters. The monzonite is dark pinkish-grey, fine-grained, and weakly pyritic (but notably more so than the komatiite). Minor planar and vuggy quartz-carb-py veinlets are present in the monzonite. The komatiite is sheared/contorted immediately above and below the monzonite. The hole is terminated in the same weakly altered massive komatiite as above at 201 meters.

### 10.2.4 Hole GP20-04

Drill hole GP20-04 was designed to follow up on “anomalous Au” reported in historic holes 280A-03, -05, and -06 (no assays filed), and to test a coincident magnetic low anomaly. The hole successfully intersected sulfidic quartz-ankerite veins up to 30 cm in width from 109.8-111.1 meter depth, containing pyrite and molybdenite and local chalcopyrite (includes 0.7 g/t Au over 0.7 meter). Interlayered sequences of intermediate dykes and komatiites were intersected on either side of a monzonite pluton with prospective veins observed in both the dykes and the monzonite. Komatiitic volcanic flows intersected from 60.1-76 meters exhibit well developed spinifex texture and are strongly carbonate-fuchsite altered along intermediate dyke margins. Anomalous gold values are scattered throughout the carbonate-fuchsite-altered komatiite and in quartz veining in

the upper monzonite to 222.6-meter depth (best values are 1.3 g/t Au in a 40 cm sample and 4.0 g/t in a 30cm sample).

The main monzonite body (76.0 - 304.5 meters) is variably altered by K-feldspar, calcite, ankerite, silica, and local albite with the strongest alteration enveloping quartz veins. The monzonite contains several finely porphyritic phases with gradational margins. Trace, very fine-grained pyrite is disseminated throughout the monzonite and occur in stronger concentrations within alteration halos around veins, with grain size up to 2-3 mm locally. The most prospective vein type in the monzonite body is mineralized quartz-ankerite veins, which are up to ~30 cm in width, and contain pyrite and molybdenite, and locally chalcopyrite. Pyrite in these veins tends to be disseminated with most grains <1mm, molybdenite occurs as either medium-grained blebs or very fine disseminated grains or bands, and chalcopyrite, where it occurs, is usually in fine- to medium-grained blebs. The most significant of these veins was intersected from 109.8-111.1 meters and is likely a fault-filling vein.

From 323.7-377 meters, a sequence of interlayered intermediate intrusives and komatiites was intersected. Intrusive rocks in this sequence are more intensely altered than the monzonite uphole and contain an increased sulfide content, up to 2-3%. Specular hematite grains, up to 2 mm in size, coat several fracture surfaces within the dykes. The intermediate rocks contain similar prospective veins as the main monzonite. The komatiites are generally massive, with local zones of possible pillowed/hyaloclastic texture and are altered by talc, chlorite, and calcite. The hole was terminated at 393 meters in a weakly silicified gabbro interlayered with talc-altered massive komatiite.

#### *10.2.5 Hole GP20-05*

Drill hole GP20-05 was designed to test a magnetic low in an area limited historic drilling (nearest holes > 200 meters away). The hole successfully intersected a series of mineralized quartz-calcite veins with banded fine-grained molybdenite and medium-grained subhedral pyrite, with the most prospective vein intersected from 75.4-77.2 meters. Anomalous gold values are scattered throughout the hole with best values in a 30 cm sample of molybdenite-ribboned quartz vein (1.2g/t) and a strongly silicified/bleached monzonite with quartz veining (4.8g/t over 30 cm).

Stratigraphy is dominated by a monzonite pluton with abundant quartz-calcite veining. The monzonite is generally weakly to moderately K-metasomatized with calcite and ankerite. Alteration intensity increases in envelopes around veins and locally strong silica and albite dominate. Trace amounts of very fine-grained (<1 mm) pyrite, up to 1-2%, are disseminated throughout the pluton, and concentrations increase in vein alteration halos. Several prospective quartz-calcite veins, up to 1.8 meters thick (but average ~10-20 cm thick), crosscut the monzonite. These veins contain up to 3% bands of very fine-grained (<1mm) molybdenite, and up to 3% medium-grained subhedral pyrite.

The sequence of komatiite and monzonite intersected below the main monzonite pluton is considered to be prospective due to the rheological contrast between the ultramafic volcanics and the dykes. Monzonitic intrusive in this sequence is highly similar to the main monzonite pluton and contains similar sulfidic quartz-calcite veins. From 294.3-297.9 meters, the monzonite is intensely silicified. Komatiites in this sequence are generally massive, chloritic, and contain trace

amounts of very fine-grained disseminated pyrite and molybdenite. Contacts between monzonite and komatiite are locally serpentized. The hole was terminated at 349.5 meters in massive, talcose komatiite.

#### *10.2.6 Hole GP20-06*

Drill hole GP20-06 was abandoned at 69 meters because of the postponement of the drill program due to the COVID-19 pandemic. The hole intersected 48 meters of overburden and 21 meters of massive, talc-altered komatiite.



## **11 RECOMMENDATIONS**

Based on the results herein, a minimum 1000-meter follow-up diamond drill program is recommended. Highest priority targets include: 1) re-entry of abandoned hole GP20-06, 2) step-out from mineralized zones in hole GP20-01 and GP20-02; and 3) step-out along strike from fuchsite-altered 'green carbonate' vein zone in hole GP20-03.

The estimated cost of four 250-meter holes at an all-inclusive project cost of \$300/meter would total \$300,000. Approximately \$177,000 of that cost would be direct drilling costs.

## 12 STATEMENT OF QUALIFICATIONS

I, Conor Patrick McKinley, M.Sc., P.Geo., of Vancouver, British Columbia, Canada hereby certify that:

I am Senior Geologist – Manager, Timmins Projects for HighGold Mining Inc., with an office at: 320 – 800 West Pender Street, Vancouver, BC, V6C2V6, Canada

I graduated from Queen’s University with a Bachelor of Science degree (Honours, Geological Sciences) in 2010 and from Memorial University of Newfoundland with a Master of Science degree (Earth Sciences) in 2013.

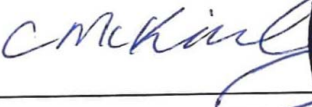
I have worked as a geologist continuously for over 8 years. My work experience has been in exploration for gold and base metal mineralization in North America and Europe.


I worked on and supervised the work program reported on herein. I have been involved with exploration on the property since 2018.

I am registered as a member in good standing with the Association of Professional Geoscientists of Ontario (APGO, member 3160) and Engineers and Geoscientists British Columbia (EGBC, licence number 51048).

As of the effective date of this Assessment Report, to the best of my knowledge, information and belief, this report contains all the scientific and technical information that is required to be disclosed to ensure the reporting is not misleading.

Dated this 10<sup>th</sup> Day of June, 2021.

  
\_\_\_\_\_  
Conor McKinley, M.Sc., P.Geo.



## 13 REFERENCES

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## **APPENDIX I LIST OF CLAIMS**







| Claim Block | Tenure No. | Title Type                 | Holder              | Township / Area                   |
|-------------|------------|----------------------------|---------------------|-----------------------------------|
| Main Block  | 177126     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                            |
| Main Block  | 191955     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                            |
| Main Block  | 222572     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                            |
| Main Block  | 223683     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                            |
| Main Block  | 230580     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                            |
| Main Block  | 242722     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                            |
| Main Block  | 242723     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                            |
| Main Block  | 243938     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                            |
| Main Block  | 248152     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                            |
| Main Block  | 268367     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                            |
| Main Block  | 337533     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                            |
| Main Block  | 337534     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                            |
| Main Block  | 338827     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                            |
| Main Block  | 119344     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK                        |
| Main Block  | 121244     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK                        |
| Main Block  | 132321     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK                        |
| Main Block  | 149000     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK                        |
| Main Block  | 159708     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK                        |
| Main Block  | 177578     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK                        |
| Main Block  | 179224     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK,FASKEN                 |
| Main Block  | 185253     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK                        |
| Main Block  | 185254     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK                        |
| Main Block  | 185255     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK                        |
| Main Block  | 185256     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK                        |
| Main Block  | 197117     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK                        |
| Main Block  | 214357     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK                        |
| Main Block  | 225083     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK,FASKEN                 |
| Main Block  | 233074     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK                        |
| Main Block  | 245259     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK,LANGMUIR               |
| Main Block  | 245260     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK,FASKEN                 |
| Main Block  | 252270     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK                        |
| Main Block  | 263775     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK                        |
| Main Block  | 280760     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK                        |
| Main Block  | 281046     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK                        |
| Main Block  | 281047     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK                        |
| Main Block  | 281048     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK,FASKEN                 |
| Main Block  | 299380     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK                        |
| Main Block  | 299381     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK                        |
| Main Block  | 300318     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK,LANGMUIR               |
| Main Block  | 318304     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK                        |
| Main Block  | 318305     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK                        |
| Main Block  | 328304     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK                        |
| Main Block  | 328305     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK                        |
| Main Block  | 328306     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK                        |
| Main Block  | 328307     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK,FALLON,FASKEN,LANGMUIR |
| Main Block  | 340725     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK                        |
| Main Block  | 340726     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK                        |
| Main Block  | 340727     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK                        |
| Main Block  | 103347     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                            |
| Main Block  | 104083     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                            |
| Main Block  | 104084     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                            |
| Main Block  | 104532     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON,FASKEN                     |
| Main Block  | 104533     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                            |
| Main Block  | 104534     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                            |
| Main Block  | 105016     | Boundary Cell Mining Claim | (100) DAVID MEUNIER | LANGMUIR                          |
| Main Block  | 105017     | Boundary Cell Mining Claim | (100) DAVID MEUNIER | LANGMUIR                          |



| <b>Claim Block</b> | <b>Tenure No.</b> | <b>Title Type</b>          | <b>Holder</b>       | <b>Township / Area</b> |
|--------------------|-------------------|----------------------------|---------------------|------------------------|
| Main Block         | 106359            | Single Cell Mining Claim   | (100) DAVID MEUNIER | LANGMUIR               |
| Main Block         | 106360            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 106895            | Boundary Cell Mining Claim | (100) DAVID MEUNIER | FALLON,LANGMUIR        |
| Main Block         | 113934            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 118484            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 118682            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 118987            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 119063            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 119331            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 119332            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 119899            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 119900            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 120072            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 121235            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 123462            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON,LANGMUIR        |
| Main Block         | 128667            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON,LANGMUIR        |
| Main Block         | 128686            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 129204            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON,FASKEN          |
| Main Block         | 129205            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 132938            | Single Cell Mining Claim   | (100) DAVID MEUNIER | LANGMUIR               |
| Main Block         | 133969            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 134751            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 135450            | Boundary Cell Mining Claim | (100) DAVID MEUNIER | LANGMUIR               |
| Main Block         | 136154            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 141498            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON,LANGMUIR        |
| Main Block         | 142189            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 146066            | Boundary Cell Mining Claim | (100) DAVID MEUNIER | LANGMUIR               |
| Main Block         | 146067            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON,LANGMUIR        |
| Main Block         | 146068            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON,LANGMUIR        |
| Main Block         | 150194            | Boundary Cell Mining Claim | (100) DAVID MEUNIER | FALLON,LANGMUIR        |
| Main Block         | 150195            | Boundary Cell Mining Claim | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 152182            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 157650            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 158307            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 159697            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 159698            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 159699            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 163732            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON,FASKEN          |
| Main Block         | 163733            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 177124            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 177125            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 177826            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 177827            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 177828            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 177924            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 179214            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 179215            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 185946            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 185947            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 187423            | Boundary Cell Mining Claim | (100) DAVID MEUNIER | LANGMUIR               |
| Main Block         | 187424            | Single Cell Mining Claim   | (100) DAVID MEUNIER | LANGMUIR               |
| Main Block         | 188132            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 188133            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 193132            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 198951            | Boundary Cell Mining Claim | (100) DAVID MEUNIER | FALLON,LANGMUIR        |
| Main Block         | 199645            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON,LANGMUIR        |

| Claim Block | Tenure No. | Title Type                 | Holder              | Township / Area |
|-------------|------------|----------------------------|---------------------|-----------------|
| Main Block  | 215231     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 215232     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 215444     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 216122     | Boundary Cell Mining Claim | (100) DAVID MEUNIER | LANGMUIR        |
| Main Block  | 221906     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON,LANGMUIR |
| Main Block  | 221931     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 223030     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 223031     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 223682     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 223767     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 223768     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 223854     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 229884     | Boundary Cell Mining Claim | (100) DAVID MEUNIER | LANGMUIR        |
| Main Block  | 231892     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 234027     | Boundary Cell Mining Claim | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 236784     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 243183     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 243184     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON,FASKEN   |
| Main Block  | 243864     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 243937     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 244042     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 244043     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 245958     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 248872     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON,LANGMUIR |
| Main Block  | 254904     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 260431     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 260432     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 261008     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 261009     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 261010     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 264079     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 265165     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 268448     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 269774     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 271524     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 278504     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON,FASKEN   |
| Main Block  | 279178     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 279761     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 279762     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 280865     | Boundary Cell Mining Claim | (100) DAVID MEUNIER | LANGMUIR        |
| Main Block  | 280866     | Single Cell Mining Claim   | (100) DAVID MEUNIER | LANGMUIR        |
| Main Block  | 280867     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON,LANGMUIR |
| Main Block  | 289133     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 289829     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 290101     | Boundary Cell Mining Claim | (100) DAVID MEUNIER | FALLON,LANGMUIR |
| Main Block  | 290786     | Boundary Cell Mining Claim | (100) DAVID MEUNIER | LANGMUIR        |
| Main Block  | 296596     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 296597     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 297815     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 298393     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 298394     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 298395     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 300145     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 300915     | Boundary Cell Mining Claim | (100) DAVID MEUNIER | LANGMUIR        |
| Main Block  | 303434     | Single Cell Mining Claim   | (100) DAVID MEUNIER | LANGMUIR        |
| Main Block  | 308736     | Boundary Cell Mining Claim | (100) DAVID MEUNIER | LANGMUIR        |

| Claim Block | Tenure No. | Title Type                 | Holder              | Township / Area |
|-------------|------------|----------------------------|---------------------|-----------------|
| Main Block  | 308737     | Boundary Cell Mining Claim | (100) DAVID MEUNIER | LANGMUIR        |
| Main Block  | 308769     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 310903     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 318613     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 318894     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON,LANGMUIR |
| Main Block  | 319656     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 319657     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 323886     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 326264     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 326265     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 326928     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 326929     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 326930     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 327020     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 329020     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 329021     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 336872     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 338828     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 338859     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 339413     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 340714     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 341680     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 342371     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 542285     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 542286     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 542287     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 542288     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 542289     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 542290     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 542291     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 542292     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 542293     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 542294     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 542295     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 542296     | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON          |
| Main Block  | 509876     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK      |
| Main Block  | 509877     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK      |
| Main Block  | 509879     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK      |
| Main Block  | 509880     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK      |
| Main Block  | 509882     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK      |
| Main Block  | 509884     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK      |
| Main Block  | 509889     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK      |
| Main Block  | 509890     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK      |
| Main Block  | 509893     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK      |
| Main Block  | 509894     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK      |
| Main Block  | 509897     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK      |
| Main Block  | 509898     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK      |
| Main Block  | 509899     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK      |
| Main Block  | 509904     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK      |
| Main Block  | 509905     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK      |
| Main Block  | 509906     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK      |
| Main Block  | 509907     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK      |
| Main Block  | 509908     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK      |
| Main Block  | 509912     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK      |
| Main Block  | 509913     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK      |
| Main Block  | 509915     | Single Cell Mining Claim   | (100) DAVID MEUNIER | BLACKSTOCK      |



| <b>Claim Block</b> | <b>Tenure No.</b> | <b>Title Type</b>          | <b>Holder</b>       | <b>Township / Area</b> |
|--------------------|-------------------|----------------------------|---------------------|------------------------|
| Main Block         | 512654            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS,FALLON         |
| Main Block         | 512655            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512656            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512657            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512661            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 512662            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 512663            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 512664            | Single Cell Mining Claim   | (100) DAVID MEUNIER | FALLON                 |
| Main Block         | 512731            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512732            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512733            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512734            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512735            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512736            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512737            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512738            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512739            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512740            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512741            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512742            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512744            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512745            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512746            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512747            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512748            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512749            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512750            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512751            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512752            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512753            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512755            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512756            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512757            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512758            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512759            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512760            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512761            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512762            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512763            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 512765            | Single Cell Mining Claim   | (100) DAVID MEUNIER | DOUGLAS                |
| Main Block         | 159707            | Boundary Cell Mining Claim | (100) DAVID MEUNIER | BLACKSTOCK,LANGMUIR    |
| Main Block         | 177577            | Boundary Cell Mining Claim | (100) DAVID MEUNIER | BLACKSTOCK,LANGMUIR    |
| Main Block         | 179223            | Boundary Cell Mining Claim | (100) DAVID MEUNIER | BLACKSTOCK,LANGMUIR    |
| Main Block         | 225082            | Boundary Cell Mining Claim | (100) DAVID MEUNIER | BLACKSTOCK,LANGMUIR    |
| Main Block         | 244230            | Boundary Cell Mining Claim | (100) DAVID MEUNIER | BLACKSTOCK,LANGMUIR    |

## APPENDIX II DRILL LOGS

### List of Abbreviations

| Lithology Table Term         | Abbreviation   |
|------------------------------|----------------|
| End of Hole                  | EOH            |
| Vein Zone                    | VZ             |
| Mineralized Vein Zone        | MIN VZ         |
| Carbonate-Silica Zone        | Carb-Sil       |
| Carbonate-Fuchsite Zone      | Carb-Fuch      |
| Monzonite                    | Monz           |
| Contaminated Monzonite       | Contam Monz    |
| Monzodiorite                 | Monzdio        |
| Contaminated Monzodiorite    | Contam Monzdio |
| Komatite Massive             | Kom Msv        |
| Komatite Spinifex            | Kom Spx        |
| Komatite Polysuture          | Kom Poly       |
| Basaltic Komatite Massive    | BK Msv         |
| Basaltic Komatite Spinifex   | BK Spx         |
| Basaltic Komatite Polysuture | BK Poly        |
| Basalt Flow                  | BAS FL         |
| Basalt Massive               | BAS Msv        |
| Basalt Pillowed              | BAS Pll        |
| Basalt Amygdaloidal          | BAS Amyg       |
| Basalt Fragmental            | BAS ALT        |
| Mafic Intrusive              | Maf Dyke       |
| Lamprophyre                  | Lamp           |
| Quartz Diorite               | Qtz Dio        |
| Granodiorite                 | Granodio       |
| Intermediate Intrusive       | Int Intrusive  |
| Feldspar Porphyry Intrusive  | FP             |
| Quartz Feldspar Intrusive    | QFP            |
| Felsic Intrusive             | Fel Intrusive  |

| Alteration Term     | Abbreviation |
|---------------------|--------------|
| albite              | alb          |
| biotite             | bio          |
| calcium carbonate   | CaCarb       |
| chlorite            | chl          |
| epidote             | ep           |
| iron carbonate      | FeCarb       |
| iron oxidation      | FeOx         |
| fuchsite            | fuch         |
| graphite            | graph        |
| K-metasomatism      | ksp          |
| magnetism           | mag          |
| magnesium carbonate | MgCarb       |
| manganese carbonate | MnCarb       |
| sericite            | ser          |
| serpentine          | serp         |
| silica              | sil          |
| talc                | tal          |

| Alteration Descriptor | Abbreviation |
|-----------------------|--------------|
| Pervasive             | PER          |
| Patchy                | PAT          |
| Halo                  | HALO         |
| Selective             | SEL          |
| Banded                | BAND         |
| Original              | OR           |
| Metamorphic           | ME           |
| Overprint             | OP           |
| Infill                | IN           |
| Lithology             | LITH         |
| Selvedge              | SLV          |
| Gouge                 | GG           |
| Envelope              | ENV          |

| Mineral                     | Abbreviation |
|-----------------------------|--------------|
| amphibole                   | amph         |
| ankerite                    | ank          |
| arsenopyrite                | aspy         |
| barite                      | bar          |
| bornite                     | bn           |
| calcite                     | cal          |
| chromite                    | chr          |
| chalcocite                  | cc           |
| chalcopyrite                | cpy          |
| native copper               | Cu           |
| copper oxide mineralization | CuOx         |
| feldspar phenocryst         | fp           |
| fuchsite                    | fuch         |
| galena                      | gal          |
| gersdorffite                | ger          |
| graphite                    | graph        |
| gypsum                      | gy           |
| hematite                    | hem          |
| jasper                      | isp          |
| leucoxene                   | leux         |
| manganese oxide             | MnOx         |
| magnetite                   | mt           |
| molybdenite                 | mo           |
| olivine                     | ol           |
| pentlandite                 | pen          |
| pyrrhotite                  | po           |
| pyroxene                    | px           |
| pyrite                      | py           |
| tourmaline                  | tou          |
| quartz phenocryst           | qp           |
| quartz gangue               | qtz          |
| sulphosalts                 | sfs          |
| sphalerite                  | sph          |
| visible gold                | VG           |
| secondary zinc in oxide     | ZnOx         |

| Other | Abbreviation      |
|-------|-------------------|
| ftd   | faulted           |
| brkn  | broken            |
| shr   | shear             |
| frac  | fracture          |
| slick | slickenside(s)    |
| lin   | lineation         |
| fel   | felsic            |
| int   | intermediate      |
| maf   | mafic             |
| um    | ultramafic        |
| msv   | massive           |
| fol   | foliated          |
| spx   | spinifex          |
| poly  | polysuture        |
| fld   | folded            |
| lam   | laminated         |
| bed   | bedded            |
| bnd   | banded            |
| bx    | breccia           |
| frag  | fragment(a)       |
| aph   | aphanitic         |
| porph | porphyritic       |
| xtal  | crystal           |
| pheno | phenocryst(s)     |
| vfg   | very fine grained |
| fg    | fine grained      |
| mg    | medium grained    |
| cg    | coarse grained    |

| Other  | Abbreviation                      |
|--------|-----------------------------------|
| ang    | angular                           |
| subang | subangular                        |
| subrnd | subrounded                        |
| rnd    | rounded                           |
| anh    | anhedral                          |
| subh   | subhedral                         |
| euh    | euhedral                          |
| tr     | trace                             |
| wk     | weak                              |
| mod    | moderate                          |
| str    | strong                            |
| LCT    | lower contact                     |
| TCA    | to core axis (alpha)              |
| ()     | relatively less                   |
| (())   | relatively much less              |
| (##)   | average fabric alpha in rock name |

**Project:** Golden Perimeter

**Hole:** GP-280A-06

|                             |            |                     |            |                          |                          |
|-----------------------------|------------|---------------------|------------|--------------------------|--------------------------|
| <b>Prospect:</b>            | GP         | <b>Survey Type:</b> | Rachel Kim | <b>Hole Type:</b>        | DD                       |
| <b>Datum:</b>               | NAD83      | <b>Survey By:</b>   | 2019-11-11 | <b>Core Size:</b>        | BQ                       |
| <b>Vertical Datum:</b>      |            | <b>Azimuth:</b>     | 2019-11-14 | <b>Casing Pulled?:</b>   | <input type="checkbox"/> |
| <b>Zone:</b>                | 17N        | <b>Dip:</b>         | Norex      | <b>Casing Depth (m):</b> | 69.49                    |
| <b>UTM East:</b>            | 504832     | <b>Length (m):</b>  | 301.18     | <b>H Core Depth (m):</b> |                          |
| <b>UTM North:</b>           | 5349108    | <b>Comments:</b>    |            | <b>N Core Depth (m):</b> |                          |
| <b>UTM Elevation (m):</b>   | 310.85627  |                     |            | <b>B Core Depth (m):</b> | 301.18                   |
| <b>Local Grid:</b>          | ODHD_NAD83 |                     |            |                          |                          |
| <b>Local East:</b>          | 505025     |                     |            |                          |                          |
| <b>Local North:</b>         | 5349002    |                     |            |                          |                          |
| <b>Local Elevation (m):</b> | 311.57506  |                     |            |                          |                          |

| Depth (m) | Survey Method | Survey By | Date Surveyed | Dip   | Azimuth | Mag. Field | Accept Values?                      | Comments |
|-----------|---------------|-----------|---------------|-------|---------|------------|-------------------------------------|----------|
| 0         | Unknown       |           |               | -45   | 270     |            | <input checked="" type="checkbox"/> |          |
| 100       | Unknown       |           |               | -46.8 | 270     |            | <input checked="" type="checkbox"/> |          |
| 200       | Unknown       |           |               | -42.5 | 270     |            | <input checked="" type="checkbox"/> |          |
| 301.18    | Unknown       |           |               | -41   | 270     |            | <input checked="" type="checkbox"/> |          |

**Hole: GP-280A-06**

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | To (m)       | Rock Type & Description             | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| <b>0.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>69.49</b> | <b>Casing</b>                       |          |        |        |          |        |        |        |        |        |
| <b>69.49</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>70.63</b> | <b>Monzonite py ALB sil fecarb</b>  |          |        |        |          |        |        |        |        |        |
| <p>Fine to v.fg pale pink-grey monzonite, massive to sucrosic groundmass (albite.Upper 60cm of unit, massive with lower ~20cm containing larger (up to 1-2mm) subhedral plag phenos with weakly kspar altered cores. Fine grained euhedral disseminated pyrite, fresh to brassy. Blebby, fine grained magnetite disseminated and as wispy aggregates through groundmass? Weak, pervasive kspar and patchy weak-mod feox/possibly fecarb alteration. White to grey, wormy mg, 1cm wide quartz (+ rare fecarb at selvages) vein at ~45 TCA @ 70m. Rare, planar translucent Qtz veining along fractured surfaces. Unit entirely sampled (old log. LCT undulose and sharp into dark green ultramafics.</p> <p>&lt;&lt; Min: 69.49 - 70.63: pyrite 10% FG Disseminated / magnetite 7% VFG Disseminated / feldspar phenocryst 2% MG Disseminated &gt;&gt; mt locally aggregating in groundmass, fps in lowest ~20cm of unit</p> <p>&lt;&lt; Alt: 69.49 - 70.63: sil moderate Pervasive / ksp weak Pervasive / alb moderate to strong Pervasive / FeCarb weak to moderate Halo / mag weak to moderate Patchy &gt;&gt;</p> <p>&lt;&lt; Vein: 70 - 70.63: QCVs / QVs &gt;&gt;</p> |              |                                     |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |                                     | 69.49    | 70.63  | 1.14   | W933001  | 0.19   | -0.5   | 0.0016 | 0.0013 | 0.0059 |
| <b>70.63</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>74.60</b> | <b>Komatiite Massive ((py)) Mag</b> |          |        |        |          |        |        |        |        |        |
| <p>Dark grey to greenish-black, fine grained ultramafic. Patchy to webby dark orange-brown feox/fecarb veining across unit, chaotic and sparse to locally abundant. Massive, no distinguishing features other than rare brecciated zones with fecarb filled fractures. Strong to moderately magnetic. LCT broken into Qtz-fp monzonite.</p> <p>&lt;&lt; Min: 70.63 - 74.6: pyrite 1% FG Disseminated &gt;&gt;</p> <p>&lt;&lt; Alt: 70.63 - 74.6: mag moderate to strong Pervasive / FeCarb moderate Selective / FeOx weak Patchy / tal weak Pervasive &gt;&gt;</p> <p>&lt;&lt; Vein: 70.63 - 74.6: CVs 7% VFG Irregular/Blebby &gt;&gt;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                                     |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |                                     | 73.30    | 73.90  | 0.60   | W933002  | 0.01   | -0.5   | 0.0056 | 0.0002 | 0.0062 |
| <b>74.60</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>76.18</b> | <b>Monzonite mag (py) Ksp</b>       |          |        |        |          |        |        |        |        |        |
| <p>Fine to medium grained, feldspar phyric monzonite. Sparse to locally abundant pink to white, subhedral, fine grained (rarely medium grained) feldspar phenos, with weak to moderate Kspar metasomatism @ cores. Rare, blotchy kspar altered zones in groundmass. Groundmass fine grained and varies across unit from medium-dark grey to black, vfg biotite-bearing matrix. Trace, subhedral to euhedral disseminated pyrite, pyrite also aggregating along fractured surfaces, and mantling vfg hairline carb veinlets. Vfg magnetite blebs through groundmass. Jointed and blocky core, with weakly oxidized along planar fractures/jointing surfaces, with ankerite +/- chlorite. LCT broken but gradational into chilled syenodiorite zone.</p>                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                                     |          |        |        |          |        |        |        |        |        |



**Hole: GP-280A-06**

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | To (m) | Rock Type & Description                    | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| << Min: 74.6 - 76.18: feldspar phenocryst 20% FG Disseminated / pyrite 1% FG Disseminated / magnetite 3% VFG Disseminated >><br><< Alt: 74.6 - 76.18: ksp weak to moderate Selective / mag weak to moderate Pervasive / FeOx weak Patchy / FeCarb weak Patchy / CaCarb weak Selective / sil weak Pervasive >><br><< Vein: 74.6 - 76.18: CVs 0.5% VFG Irregular/Blebby >> hairline, with pyrite along envelope                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |                                            |          |        |        |          |        |        |        |        |        |
| 74.60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 82.80  | <b>Monzodiorite ksp mag (py)</b>           | 74.60    | 75.75  | 1.15   | W933003  | 0.01   | -0.5   | 0.0116 | 0.0034 | 0.0085 |
| <b>76.18 82.80 Monzodiorite ksp mag (py) 107</b><br>Fine grained, sparsely plag-phyric syenodiorite. Mentioned as a syenodiorite chilled zone in OG log. Dark grey-black and fg groundmass, with rare f-mg kspar-altered plag phenos. Rare blotchy, stronger kspar altered zones in groundmass, rare patchy carb altered groundmass. Along lower half of unit, intermingled with coarser fp phyric sections of fp phyric monzonite (see below/above), likely interfingered (NOTE: Some core broken and possibly spilled (box 3, ~81-84.45m?).). Weakly sheared? Jagged to undulose breaks ~45-90 degrees TCA around 81m. LCT broken back into fp monzonite.<br><< Min: 76.18 - 82.8: feldspar phenocryst 3% FG Disseminated / pyrite 1% FG Disseminated / magnetite 5% VFG Disseminated / pyroxene 20% FG Disseminated >> hbl - chloritized, disseminated, fg, .5-1mm, OR slender lathes to anhedral<br><br>fp rare, anhedral medium grains<br><< Alt: 76.18 - 82.8: ksp weak to moderate Patchy / mag weak to moderate Pervasive / FeOx weak Patchy / chl weak Pervasive / sil weak Pervasive / CaCarb weak Patchy >>                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                                            |          |        |        |          |        |        |        |        |        |
| 90.90                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 155.95 | <b>Monzonite ksp py mag sil((contam?))</b> | 90.90    | 91.44  | 0.54   | W933004  | 0.02   | -0.5   | 0.0008 | 0.0023 | 0.0069 |
| <b>82.80 155.95 Monzonite ksp py mag sil((contam?)) 106</b><br>Dark to medium pink and grey/black, variably crowded, feldspar phyric monzonite. Massive and blocky unit with thin hairline fractures. Fine grained, dark grey/black to dark green (weakly chloritized) groundmass. Fine to rarely medium grained, disseminated euhedral pyrite through groundmass, variably abundant. Feldspar phenos tabular to blocky, variably k-metasomatized. Monzonite cut by rare, translucent to white coarse grained qtz veins (up to 5-10 cm wide) with ankerite & pyrite aggregates and minor bleaching at selvages. Unit also cut by thin, planar carb +/- qtz, chl veinlets (<1mm wide) Rare, kspar veining (massive kspar, to cg kspar aggregations). Fractured surfaces weakly chloritized along planar breaks/minor shears, moderate to high angle TCA, one @ 116m along 0 degrees TCA noted in original log. Rare, amorphous, fg ,black, homogenous (appears dioritic, kspar aphyric version of above unit,, but reported as mafic) xenoliths, generally 1-2cm in diameter, 1 larger (possibly small dyklet? Or syenodioritic bands - refer to above unit for description) @ 115.6m. LCT broken into moderate to strongly Kspar altered monzonite.<br><< Min: 82.8 - 140.5: pyrite 1% FG Disseminated / feldspar phenocryst 70% MG Disseminated / magnetite 5% VFG Disseminated >><br><< Min: 140.5 - 140.9: pyrite 5% MG Blebby / feldspar phenocryst 70% MG Disseminated / magnetite 5% VFG Disseminated >> blebby pyrite w/ coarse kspar-qtz vein along CA |        |                                            |          |        |        |          |        |        |        |        |        |
| 95.20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 140.5  |                                            | 95.20    | 96.00  | 0.80   | W933005  | 0.01   | -0.5   | 0.0049 | 0.0024 | 0.0067 |
| 96.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 140.9  |                                            | 96.00    | 96.45  | 0.45   | W933006  | 0.53   | -0.5   | 0.0108 | 0.0049 | 0.0052 |

**Hole:** GP-280A-06

| From (m)                                                                                                                                                                                                                                                                                  | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| << Min: 140.9 - 155.95: pyrite 1% FG Disseminated / feldspar phenocryst 70% MG Disseminated / magnetite 5% VFG Disseminated >>                                                                                                                                                            |        |                         | 96.45    | 97.60  | 1.15   | W933007  | -0.01  | -0.5   | 0.003  | 0.0024 | 0.0074 |
| << Alt: 82.8 - 140.5: ksp weak to moderate Pervasive / mag weak to moderate Pervasive / chl weak Selective / sil moderate Selective / FeCarb weak Selective / ser weak Patchy / CaCarb weak Selective >> weak albite bleaching around qv haloes                                           |        |                         | 97.60    | 98.60  | 1.00   | W933008  | -0.01  | -0.5   | 0.002  | 0.0024 | 0.0076 |
| << Alt: 140.5 - 140.9: ksp moderate Pervasive / chl weak Pervasive / sil weak Pervasive >> strong kspar altered section, coarser kspar altered plag assoc. w/ blebby pyrite                                                                                                               |        |                         | 98.60    | 99.60  | 1.00   | W933009  | 0.01   | -0.5   | 0.0098 | 0.002  | 0.0077 |
| << Alt: 140.9 - 155.95: ksp weak to moderate Pervasive / FeCarb weak to moderate Pervasive / chl weak Selective / mag weak to moderate Pervasive / sil moderate Selective / alb weak to moderate Halo / FeOx weak to moderate Selective >>                                                |        |                         | 99.60    | 100.40 | 0.80   | W933011  | 0.01   | -0.5   | 0.0007 | 0.0018 | 0.0074 |
| << Vein: 82.8 - 155.95: CVs 2% VFG Planar / QCVs 3% MG Irregular/Blebby massive / QVs 5% MG Irregular/Blebby massive >> CVs hairline, random to weakly planar/systematic, often w/ rusty pyrite, rarely cutting QVs. Quartz veins irregular w/ chl-py selvages, bleached kspar-alb haloes |        |                         | 100.40   | 100.83 | 0.43   | W933012  | 0.03   | -0.5   | 0.0075 | 0.0026 | 0.0081 |
|                                                                                                                                                                                                                                                                                           |        |                         | 100.83   | 101.80 | 0.97   | W933013  | -0.01  | -0.5   | 0.001  | 0.0028 | 0.0073 |
|                                                                                                                                                                                                                                                                                           |        |                         | 101.80   | 102.90 | 1.10   | W933014  | 0.01   | -0.5   | 0.0098 | 0.0036 | 0.0072 |
|                                                                                                                                                                                                                                                                                           |        |                         | 102.90   | 103.62 | 0.72   | W933015  | 0.01   | -0.5   | 0.0092 | 0.0035 | 0.0072 |
|                                                                                                                                                                                                                                                                                           |        |                         | 103.62   | 104.45 | 0.83   | W933016  | 0.01   | 0.6    | 0.0037 | 0.0075 | 0.0073 |
|                                                                                                                                                                                                                                                                                           |        |                         | 104.45   | 105.88 | 1.43   | W933017  | -0.01  | -0.5   | 0.0017 | 0.0025 | 0.0074 |
|                                                                                                                                                                                                                                                                                           |        |                         | 105.88   | 106.66 | 0.78   | W933018  | 0.1    | -0.5   | 0.0157 | 0.0034 | 0.0071 |
|                                                                                                                                                                                                                                                                                           |        |                         | 106.66   | 107.50 | 0.84   | W933019  | 0.32   | -0.5   | 0.0066 | 0.0025 | 0.0061 |
|                                                                                                                                                                                                                                                                                           |        |                         | 107.50   | 108.50 | 1.00   | W933021  | 0.01   | -0.5   | 0.016  | 0.0031 | 0.0073 |
|                                                                                                                                                                                                                                                                                           |        |                         | 108.50   | 109.40 | 0.90   | W933022  | 0.04   | -0.5   | 0.0038 | 0.0038 | 0.007  |
|                                                                                                                                                                                                                                                                                           |        |                         | 109.40   | 110.30 | 0.90   | W933023  | 0.02   | -0.5   | 0.0007 | 0.0064 | 0.0069 |
|                                                                                                                                                                                                                                                                                           |        |                         | 110.30   | 111.25 | 0.95   | W933024  | 0.01   | -0.5   | 0.0009 | 0.0033 | 0.0067 |
|                                                                                                                                                                                                                                                                                           |        |                         | 111.25   | 112.15 | 0.90   | W933025  | 0.01   | -0.5   | 0.0008 | 0.0021 | 0.0062 |
|                                                                                                                                                                                                                                                                                           |        |                         | 112.15   | 112.78 | 0.63   | W933026  | 2.31   | 0.8    | 0.001  | 0.004  | 0.0051 |
|                                                                                                                                                                                                                                                                                           |        |                         | 112.78   | 113.78 | 1.00   | W933027  | 0.01   | -0.5   | 0.0017 | 0.0022 | 0.006  |
|                                                                                                                                                                                                                                                                                           |        |                         | 113.78   | 114.78 | 1.00   | W933028  | 0.01   | -0.5   | 0.0027 | 0.0015 | 0.0073 |
|                                                                                                                                                                                                                                                                                           |        |                         | 114.78   | 115.40 | 0.62   | W933029  | 0.03   | -0.5   | 0.012  | 0.0099 | 0.0079 |
|                                                                                                                                                                                                                                                                                           |        |                         | 115.40   | 116.50 | 1.10   | W933031  | 0.04   | -0.5   | 0.0048 | 0.0031 | 0.0075 |

# GeoSpark: Drill Hole Report

## Relog Number 1

Hole: GP-280A-06

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|          |        |                         | 116.50   | 117.30 | 0.80   | W933032  | 0.01   | -0.5   | 0.0018 | 0.0019 | 0.0071 |
|          |        |                         | 117.30   | 118.38 | 1.08   | W933033  | 0.01   | -0.5   | 0.0014 | 0.0022 | 0.0069 |
|          |        |                         | 118.38   | 118.60 | 0.22   | W933034  | 0.26   | -0.5   | 0.0013 | 0.0012 | 0.0074 |
|          |        |                         | 119.60   | 120.20 | 0.60   | W933035  | 0.02   | -0.5   | 0.002  | 0.0023 | 0.0074 |
|          |        |                         | 120.20   | 120.98 | 0.78   | W933036  | -0.01  | -0.5   | 0.0009 | 0.0023 | 0.0063 |
|          |        |                         | 120.98   | 121.00 | 0.02   | W933037  | 0.01   | -0.5   | 0.0031 | 0.0025 | 0.0068 |
|          |        |                         | 121.00   | 121.80 | 0.80   | W933038  | -0.01  | -0.5   | 0.0089 | 0.003  | 0.0064 |
|          |        |                         | 121.80   | 122.50 | 0.70   | W933039  | 0.02   | 0.9    | 0.0288 | 0.0123 | 0.0064 |
|          |        |                         | 122.50   | 123.31 | 0.81   | W933041  | 0.03   | -0.5   | 0.0016 | 0.0026 | 0.0059 |
|          |        |                         | 123.31   | 123.85 | 0.54   | W933042  | 0.02   | -0.5   | 0.0007 | 0.0023 | 0.0061 |
|          |        |                         | 123.85   | 124.86 | 1.01   | W933043  | 0.01   | -0.5   | 0.0009 | 0.0025 | 0.0064 |
|          |        |                         | 124.86   | 125.86 | 1.00   | W933044  | 0.02   | -0.5   | 0.0098 | 0.0028 | 0.0068 |
|          |        |                         | 125.86   | 126.46 | 0.60   | W933045  | 0.04   | -0.5   | 0.0087 | 0.0007 | 0.0051 |
|          |        |                         | 126.46   | 127.50 | 1.04   | W933046  | -0.01  | -0.5   | 0.0031 | 0.0014 | 0.0068 |
|          |        |                         | 127.50   | 128.45 | 0.95   | W933047  | 0.2    | -0.5   | 0.0126 | 0.0021 | 0.0062 |
|          |        |                         | 128.45   | 129.45 | 1.00   | W933048  | 0.01   | -0.5   | 0.0239 | 0.002  | 0.0064 |
|          |        |                         | 129.45   | 130.33 | 0.88   | W933049  | 0.01   | -0.5   | 0.0054 | 0.0024 | 0.006  |
|          |        |                         | 130.33   | 131.01 | 0.68   | W933051  | 0.02   | -0.5   | 0.0113 | 0.002  | 0.0046 |
|          |        |                         | 131.01   | 131.47 | 0.46   | W933052  | 5.07   | 0.7    | 0.0121 | 0.0063 | 0.0057 |
|          |        |                         | 131.47   | 132.30 | 0.83   | W933053  | 0.02   | -0.5   | 0.0062 | 0.0028 | 0.0059 |
|          |        |                         | 132.30   | 133.23 | 0.93   | W933054  | 0.01   | -0.5   | 0.001  | 0.0024 | 0.0057 |
|          |        |                         | 133.23   | 133.92 | 0.69   | W933055  | 1.22   | -0.5   | 0.0022 | 0.0031 | 0.0058 |
|          |        |                         | 133.92   | 134.90 | 0.98   | W933056  | 0.01   | -0.5   | 0.002  | 0.0021 | 0.0064 |
|          |        |                         | 134.90   | 135.95 | 1.05   | W933057  | 0.06   | -0.5   | 0.0014 | 0.0023 | 0.0062 |
|          |        |                         | 135.95   | 136.65 | 0.70   | W933058  | 0.59   | -0.5   | 0.0109 | 0.004  | 0.0053 |
|          |        |                         | 136.65   | 137.52 | 0.87   | W933059  | 0.02   | -0.5   | 0.0059 | 0.0019 | 0.0063 |
|          |        |                         | 137.52   | 138.80 | 1.28   | W933061  | 0.01   | -0.5   | 0.0023 | 0.0025 | 0.0065 |
|          |        |                         | 138.80   | 139.35 | 0.55   | W933062  | 0.01   | -0.5   | 0.0009 | 0.0024 | 0.0064 |

## GeoSpark: Drill Hole Report

### Relog Number 1

Hole: GP-280A-06

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|          |        |                         | 139.35   | 139.95 | 0.60   | W933063  | 0.49   | -0.5   | 0.001  | 0.0027 | 0.0063 |
|          |        |                         | 139.95   | 140.45 | 0.50   | W933064  | 0.01   | -0.5   | 0.0014 | 0.0025 | 0.0066 |
|          |        |                         | 140.45   | 140.88 | 0.43   | W933065  | 0.95   | -0.5   | 0.0029 | 0.0028 | 0.0057 |
|          |        |                         | 140.88   | 141.40 | 0.52   | W933066  | 0.01   | -0.5   | 0.0017 | 0.002  | 0.0066 |
|          |        |                         | 141.40   | 141.90 | 0.50   | W933067  | 0.01   | -0.5   | 0.0063 | 0.0017 | 0.0063 |
|          |        |                         | 141.90   | 142.30 | 0.40   | W933068  | 0.05   | -0.5   | 0.0087 | 0.0022 | 0.0061 |
|          |        |                         | 142.30   | 142.79 | 0.49   | W933069  | 2.78   | 1.1    | 0.0048 | 0.0039 | 0.004  |
|          |        |                         | 142.79   | 143.76 | 0.97   | W933071  | 0.01   | -0.5   | 0.0025 | 0.0022 | 0.0071 |
|          |        |                         | 143.76   | 144.06 | 0.30   | W933072  | 0.32   | -0.5   | 0.0015 | 0.0021 | 0.0068 |
|          |        |                         | 144.06   | 144.65 | 0.59   | W933073  | -0.01  | -0.5   | 0.0013 | 0.002  | 0.0065 |
|          |        |                         | 144.65   | 145.39 | 0.74   | W933074  | -0.01  | -0.5   | 0.0006 | 0.0016 | 0.0059 |
|          |        |                         | 145.39   | 145.80 | 0.41   | W933075  | 0.01   | -0.5   | 0.0019 | 0.0018 | 0.0059 |
|          |        |                         | 145.80   | 146.40 | 0.60   | W933076  | 0.07   | -0.5   | 0.001  | 0.0024 | 0.0062 |
|          |        |                         | 146.40   | 146.90 | 0.50   | W933077  | 0.01   | -0.5   | 0.0004 | 0.0015 | 0.0052 |
|          |        |                         | 146.90   | 147.45 | 0.55   | W933078  | -0.01  | -0.5   | 0.0018 | 0.0019 | 0.0065 |
|          |        |                         | 147.45   | 148.10 | 0.65   | W933079  | 0.09   | -0.5   | 0.0016 | 0.0006 | 0.0056 |
|          |        |                         | 148.10   | 149.10 | 1.00   | W933081  | -0.01  | -0.5   | 0.0024 | 0.0023 | 0.0062 |
|          |        |                         | 149.10   | 149.90 | 0.80   | W933082  | 0.01   | -0.5   | 0.0007 | 0.0029 | 0.0058 |
|          |        |                         | 149.90   | 150.90 | 1.00   | W933083  | -0.01  | -0.5   | 0.0019 | 0.0029 | 0.0059 |
|          |        |                         | 150.90   | 151.30 | 0.40   | W933084  | -0.01  | -0.5   | 0.0016 | 0.0049 | 0.0061 |
|          |        |                         | 151.30   | 151.72 | 0.42   | W933085  | -0.01  | -0.5   | 0.0068 | 0.0017 | 0.006  |
|          |        |                         | 151.72   | 152.20 | 0.48   | W933086  | 0.27   | -0.5   | 0.0028 | 0.004  | 0.0056 |
|          |        |                         | 152.20   | 152.85 | 0.65   | W933087  | 0.03   | -0.5   | 0.0008 | 0.0041 | 0.0062 |
|          |        |                         | 152.85   | 153.45 | 0.60   | W933088  | 0.06   | -0.5   | 0.0023 | 0.002  | 0.0056 |
|          |        |                         | 153.45   | 154.01 | 0.56   | W933089  | 0.09   | -0.5   | 0.0029 | 0.0017 | 0.0056 |
|          |        |                         | 154.01   | 154.55 | 0.54   | W933091  | 0.01   | -0.5   | 0.001  | 0.0025 | 0.0068 |
|          |        |                         | 154.55   | 155.40 | 0.85   | W933092  | 0.01   | 0.6    | 0.0032 | 0.0039 | 0.0067 |
|          |        |                         | 155.40   | 155.95 | 0.55   | W933093  | 0.01   | -0.5   | 0.0017 | 0.0029 | 0.0071 |

**Hole: GP-280A-06**

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | To (m)        | Rock Type & Description                    | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| <b>155.95</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>158.35</b> | <b>Ksp Sil Fecarb Monzonite(py)((ga?))</b> |          |        |        |          |        |        |        |        |        |
| <p>Medium to light orange to pink, medium grained to locally massive/aphanitic, moderate to strongly Ksp-sil-fecarb altered monzonite, increasing in Kspar alteration downhole. FP phenos ghostly to completely altered to kspar-sil; textures moderately to completely obliterated by alteration. Vfg disseminated pyrite through groundmass, locally aggregating proximal to veining, coarse blebby pyrite in larger quartz veins. Possible vfg galena/moly in quartz veinlets @ 157m? Patchy, weak sericite altered groundmass. Unit cut by thin, clear /glassy qtz veinlets w/ chl-carb selvages, often with pyrite aggregates. LCT transitional, over ~30cm, and marked by a planar quartz vein into strongly altered (K-metasomatized zone).</p> <p>&lt;&lt; Min: 155.95 - 157.09: pyrite 2% FG Disseminated / feldspar phenocryst 50% MG &gt;&gt; fp ghostly, mostly altered to kspar or obliterated by kspar-sil alteration</p> <p>&lt;&lt; Min: 157.09 - 157.7: pyrite 3% FG Disseminated / galena 0.5% VFG Disseminated / feldspar phenocryst 40% MG Disseminated &gt;&gt; galena (possibly moly), mentioned in original log, may be in cores of some veinlets. Py disseminated, ranges up to coarse in veins</p> <p>&lt;&lt; Min: 157.7 - 158.35: pyrite 2% FG Disseminated / feldspar phenocryst 40% MG Disseminated &gt;&gt; fps strongly altered to kspar, light to dark pink, some obliterated by alteration completely.</p> <p>&lt;&lt; Alt: 155.95 - 158.35: ksp moderate Pervasive / sil moderate Patchy / ser weak Patchy / CaCarb weak to moderate Selective / FeCarb weak to moderate Patchy / alb weak Halo &gt;&gt;</p> <p>&lt;&lt; Vein: 155.95 - 158.35: CVs 2% Irregular/Blebby / QVs 5% Planar / QCVs 1% Planar &gt;&gt;</p> |               |                                            |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                            | 155.95   | 156.37 | 0.42   | W933094  | 0.05   | 0.5    | 0.003  | 0.0015 | 0.0046 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                            | 156.37   | 157.09 | 0.72   | W933095  | 0.06   | -0.5   | 0.0045 | 0.0009 | 0.0044 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                            | 157.09   | 157.46 | 0.37   | W933096  | 2.44   | 2.4    | 0.0021 | 0.0182 | 0.0027 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                            | 157.46   | 157.80 | 0.34   | W933097  | 0.2    | 1.1    | 0.0041 | 0.0057 | 0.0047 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                            | 157.80   | 158.35 | 0.55   | W933098  | 0.07   | 0.6    | 0.0023 | 0.0009 | 0.0037 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                            | 158.35   | 158.80 | 0.45   | W933099  | 0.02   | 0.5    | 0.0042 | 0.0013 | 0.0038 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                            | 158.80   | 159.35 | 0.55   | W933101  | 0.02   | 0.7    | 0.0024 | 0.0016 | 0.0042 |
| <b>158.35</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>164.36</b> | <b>Alt'd Zone(Monzonite)KSP FeCarb Sil</b> |          |        |        |          |        |        |        |        |        |
| <p>Strongly Ksp altered zone, varying from dark to medium pink. Protolith appears to be a mg, plag monzonite, with fp phenos completely altered to kspar, and difficult to discern from kspar altered groundmass. Broken and rubbly core, throughout unit, with rubble zone @ ~159m. Rare qtz veining through unit, coarser vein @ 158.9 m with vcg blebby pyrite. LCT gradational back into moderately Kspar metasomatized monzonites.</p> <p>&lt;&lt; Min: 158.35 - 164.36: feldspar phenocryst 30% MG Disseminated / pyrite 2% FG Disseminated / graphite 0.5% VFG Fracture-coating &gt;&gt; py locally m-cg in qtz veins (up to 5-10mm), fg aggregates proximal to veining</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                            |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                            | 159.35   | 159.80 | 0.45   | W933102  | 0.02   | 1.1    | 0.0091 | 0.0042 | 0.0036 |

Hole: GP-280A-06

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | To (m)        | Rock Type & Description         | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| << Alt: 158.35 - 164.36: ksp moderate to strong Pervasive / sil moderate Pervasive / ser weak Patchy / CaCarb weak to moderate Selective / FeCarb weak to moderate Patchy / mag weak Patchy >>                                                                                                                                                                                                                                                                                                                              |               |                                 | 159.80   | 160.50 | 0.70   | W933103  | 0.01   | 0.5    | 0.0059 | 0.0008 | 0.004  |
| << Vein: 158.35 - 164.36: QCVs 2% Irregular/Blebby / QVs 5% Irregular/Blebby >> both veining types associated w/ py aggregations in and around vein                                                                                                                                                                                                                                                                                                                                                                         |               |                                 | 160.50   | 161.08 | 0.58   | W933104  | 0.09   | 2.9    | 0.0208 | 0.0458 | 0.0055 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |                                 | 161.08   | 161.78 | 0.70   | W933105  | 0.02   | 1      | 0.0026 | 0.0036 | 0.005  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |                                 | 161.78   | 162.20 | 0.42   | W933106  | 0.01   | -0.5   | 0.0023 | 0.0016 | 0.0077 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |                                 | 162.20   | 162.61 | 0.41   | W933107  | 0.02   | 0.6    | 0.0016 | 0.0012 | 0.0067 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |                                 | 162.61   | 163.67 | 1.06   | W933108  | 0.01   | -0.5   | 0.0023 | 0.0011 | 0.005  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |                                 | 163.67   | 164.36 | 0.69   | W933109  | 0.1    | -0.5   | 0.0011 | 0.0007 | 0.005  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |                                 | 164.36   | 165.20 | 0.84   | W933111  | 0.01   | -0.5   | 0.0014 | 0.0019 | 0.0065 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |                                 | 165.20   | 166.00 | 0.80   | W933112  | -0.01  | -0.5   | 0.0024 | 0.0019 | 0.0066 |
| <b>164.36</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>170.34</b> | <b>Monzonite Ksp sil py mag</b> |          |        |        |          |        |        |        |        |        |
| Medium to fine grained, medium to dark pink and dark grey/black monzonite, kspar altered fp phenos with varying intensity across unit. Similar to unit @ 74-155m. Rare subhedral to amorphous black aphanitic xenoliths. Trace, fine grained disseminated pyrite. Monzonite cut by thin rusty carb-py/hem fracture-filled veinlets; rare planar to irregular grey to white quartz veins. Broken and rubbly in sections, often with chloritic fractured surfaces. LCT sharp and irregular into dark grey/black syenodiorite. |               |                                 |          |        |        |          |        |        |        |        |        |
| << Min: 164.36 - 170.34: pyrite 2% FG Disseminated / feldspar phenocryst 80% MG Disseminated / magnetite 5% VFG Disseminated >>                                                                                                                                                                                                                                                                                                                                                                                             |               |                                 | 166.00   | 166.70 | 0.70   | W933113  | 0.02   | -0.5   | 0.0031 | 0.0014 | 0.0066 |
| << Alt: 164.36 - 170.34: ksp weak to moderate Pervasive / sil weak to moderate Pervasive / CaCarb weak Patchy / mag weak to moderate Pervasive / ser weak Patchy / FeCarb weak Patchy / chl weak Pervasive >> patchy wk-mod alb in vein haloes?                                                                                                                                                                                                                                                                             |               |                                 | 166.70   | 167.30 | 0.60   | W933114  | 0.06   | 0.5    | 0.004  | 0.0013 | 0.0068 |
| << Vein: 164.36 - 170.34: QVs 2% Irregular/Blebby / CVs 1% Planar >> CVs hem-py fracture fill                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                 | 167.30   | 168.00 | 0.70   | W933115  | -0.01  | -0.5   | 0.0023 | 0.0017 | 0.0061 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |                                 | 168.00   | 169.00 | 1.00   | W933116  | -0.01  | -0.5   | 0.0015 | 0.0018 | 0.0065 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |                                 | 169.00   | 169.80 | 0.80   | W933117  | -0.01  | -0.5   | 0.0008 | 0.0019 | 0.0067 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |                                 | 169.80   | 170.34 | 0.54   | W933118  | -0.01  | -0.5   | 0.0033 | 0.0021 | 0.007  |
| <b>170.34</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>176.11</b> | <b>Monzodiorite ksp</b>         |          |        |        |          |        |        |        |        |        |
| Dark grey/black, medium grained, sparsely plag phyric syenodiorite. Feldspars medium to fine grained, moderately kspar altered, anhedral to subhedral (ranging from white to pink), rarely abundant. Unit broken & rubbly in sections, cut by rare massive white-grey qtz veining. Very weakly magnetic to nonmag, weak patchy carb (lighter grey groundmass) and chl alteration in groundmass. Rare dark grey banding/mafic xenoliths? (similar to above units). LCT gradational over ~10cm back into monzonites.          |               |                                 |          |        |        |          |        |        |        |        |        |

**Hole:** GP-280A-06

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | To (m)        | Rock Type & Description                | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| <p>&lt;&lt; Min: 170.34 - 176.11: pyrite 2% FG Disseminated / feldspar phenocryst 30% MG Disseminated / galena 0.5% VFG Aggregates (Local high concentrations) &gt;&gt; py disseminated, euhedral, locally aggregating proximal to or within veins, best seen on fractured surfaces</p> <p>&lt;&lt; Alt: 170.34 - 176.11: ksp weak to moderate Selective / chl weak Patchy / sil weak Pervasive / mag weak Patchy / CaCarb weak Patchy &gt;&gt;</p> <p>&lt;&lt; Vein: 170.34 - 176.11: QCVs 1% Planar / QVs 1% Planar &gt;&gt;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                                        |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |                                        | 170.34   | 170.81 | 0.47   | W933119  | -0.01  | -0.5   | 0.0023 | 0.0025 | 0.0071 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |                                        | 170.81   | 171.27 | 0.46   | W933121  | 0.13   | -0.5   | 0.0024 | 0.0068 | 0.0076 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |                                        | 171.27   | 172.30 | 1.03   | W933122  | -0.01  | -0.5   | 0.002  | 0.0017 | 0.0081 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |                                        | 172.30   | 173.27 | 0.97   | W933123  | 0.01   | -0.5   | 0.002  | 0.0015 | 0.0077 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |                                        | 173.27   | 173.61 | 0.34   | W933124  | 0.05   | 0.8    | 0.0034 | 0.0108 | 0.0076 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |                                        | 173.61   | 174.20 | 0.59   | W933125  | -0.01  | 0.5    | 0.0017 | 0.002  | 0.0073 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |                                        | 174.20   | 175.20 | 1.00   | W933126  | 0.01   | -0.5   | 0.0013 | 0.0019 | 0.0069 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |                                        | 175.20   | 176.11 | 0.91   | W933127  | -0.01  | -0.5   | 0.0016 | 0.0021 | 0.0071 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |                                        | 176.11   | 176.91 | 0.80   | W933128  | 0.01   | -0.5   | 0.0024 | 0.0038 | 0.0063 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |                                        | 176.91   | 178.00 | 1.09   | W933129  | 0.01   | -0.5   | 0.0012 | 0.0024 | 0.0063 |
| <b>176.11</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>301.18</b> | <b>Monzonite (ksp) py ((carb)) mag</b> |          |        |        |          |        |        |        |        |        |
| <p>Similar to above unit @74m. Plag phenos moderately to mod-strong kspar altered. Rare fg, amoebic black (mafic?) xenoliths (resemble more of a diorite/syenodiorite composition) randomly through unit, ranging from 1-2cm, up to 10cm across. Massive, blocky core, locally fractured zones w/ chl (rarely graphite) surfaces. Cut by massive white to grey qtz veins, often associated with blotchy, pale grey-greenish bleached haloes, chl-py selvages w/ py (Original log mentions sx like ga, cpy). Thin hairline (fracture filled?) carb veinlets with bleached haloes across unit as well, very rare thin kspar veinlets. Weak patchy carb alteration associated with bleached zones, paler grey&amp;pink, with fp phenos becoming "fuzzy". Weak to moderately magnetic across unit. Overall coherent rock, with rare rubbly zones. LCT is EOH.</p> <p>&lt;&lt; Min: 176.11 - 301.18: pyrite 2% FG Disseminated / magnetite 10% VFG Disseminated / feldspar phenocryst 70% MG Disseminated / graphite 1% VFG Fracture-coating / galena 0.5% VFG Aggregates (Local high concentrations) &gt;&gt; poss. Cpy (v trace and unsure) w/ some qtz veins</p> <p>&lt;&lt; Alt: 176.11 - 191.5: ksp weak to moderate Pervasive / sil weak to moderate Patchy / mag weak to moderate Pervasive / ser weak Patchy / CaCarb weak Patchy / chl weak to moderate Selective &gt;&gt; ksp variable across unit, selectively alering fp phenos, veinlets. Ser-sil patchy through groundmass, strongest in vein envelopes. Cacarb patchy, associated with pale grey zones, sil-ksp strongest n darker sections of unit</p> |               |                                        |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |                                        | 178.00   | 179.10 | 1.10   | W933131  | -0.01  | -0.5   | 0.001  | 0.0024 | 0.0061 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |                                        | 179.10   | 180.20 | 1.10   | W933132  | -0.01  | -0.5   | 0.0005 | 0.0021 | 0.0065 |

Hole: GP-280A-06

| From (m)                                                                                                                                                                                                                                                                                             | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| << Alt: 191.5 - 194.33: ksp moderate Pervasive / sil weak to moderate Patchy / mag weak to moderate Pervasive / CaCarb weak to moderate Patchy / FeCarb weak Patchy >> zone of stronger ksp alteratoin, pale grey and perv carb in upper half of unit, darker pink/red ksp-sil altered in lower half |        |                         | 180.20   | 180.58 | 0.38   | W933133  | 0.03   | -0.5   | 0.002  | 0.0035 | 0.0066 |
| << Alt: 194.33 - 301.18: ksp weak to moderate Pervasive / sil weak to moderate Patchy / mag weak to moderate Pervasive / ser weak Patchy / CaCarb weak Patchy / chl weak to moderate Selective / FeCarb weak Patchy >> trace graph long fractured planes; wek-mod alb alteration in vein haloes      |        |                         | 180.58   | 181.60 | 1.02   | W933134  | -0.01  | -0.5   | 0.0029 | 0.0025 | 0.0068 |
| << Vein: 176.11 - 301.18: CVs 1% Planar / QCVs 2% Planar / QVs 5% Planar massive >> QCV's w/ bleached ser-carb-sil haloes; QVs massive and white, sx-chl w/ kspar-sil bleached haloes; CVs fracture filling                                                                                          |        |                         | 181.60   | 182.33 | 0.73   | W933135  | -0.01  | -0.5   | 0.0042 | 0.0039 | 0.0066 |
|                                                                                                                                                                                                                                                                                                      |        |                         | 182.33   | 183.10 | 0.77   | W933136  | -0.01  | -0.5   | 0.0034 | 0.0032 | 0.0062 |
|                                                                                                                                                                                                                                                                                                      |        |                         | 183.10   | 183.60 | 0.50   | W933137  | 0.02   | -0.5   | 0.0079 | 0.0028 | 0.0065 |
|                                                                                                                                                                                                                                                                                                      |        |                         | 183.60   | 184.40 | 0.80   | W933138  | 0.4    | -0.5   | 0.0161 | 0.0055 | 0.0067 |
|                                                                                                                                                                                                                                                                                                      |        |                         | 184.40   | 185.50 | 1.10   | W933139  | 0.11   | -0.5   | 0.0045 | 0.0031 | 0.0063 |
|                                                                                                                                                                                                                                                                                                      |        |                         | 185.50   | 186.00 | 0.50   | W933141  | -0.01  | -0.5   | 0.0011 | 0.0023 | 0.0062 |
|                                                                                                                                                                                                                                                                                                      |        |                         | 186.00   | 186.50 | 0.50   | W933142  | 1.67   | 1.3    | 0.0037 | 0.0059 | 0.0047 |
|                                                                                                                                                                                                                                                                                                      |        |                         | 186.50   | 187.10 | 0.60   | W933143  | 0.18   | -0.5   | 0.0057 | 0.0048 | 0.0052 |
|                                                                                                                                                                                                                                                                                                      |        |                         | 187.10   | 187.70 | 0.60   | W933144  | -0.01  | -0.5   | 0.0005 | 0.0023 | 0.0059 |
|                                                                                                                                                                                                                                                                                                      |        |                         | 187.70   | 188.60 | 0.90   | W933145  | -0.01  | -0.5   | 0.001  | 0.0027 | 0.0061 |
|                                                                                                                                                                                                                                                                                                      |        |                         | 188.60   | 189.20 | 0.60   | W933146  | 0.29   | -0.5   | 0.0045 | 0.0026 | 0.0056 |
|                                                                                                                                                                                                                                                                                                      |        |                         | 189.20   | 189.72 | 0.52   | W933147  | 0.01   | -0.5   | 0.006  | 0.0025 | 0.0062 |
|                                                                                                                                                                                                                                                                                                      |        |                         | 189.72   | 190.10 | 0.38   | W933148  | -0.01  | -0.5   | 0.0006 | 0.0027 | 0.0063 |
|                                                                                                                                                                                                                                                                                                      |        |                         | 190.10   | 190.70 | 0.60   | W933149  | 0.01   | -0.5   | 0.0254 | 0.0039 | 0.0065 |
|                                                                                                                                                                                                                                                                                                      |        |                         | 190.70   | 191.64 | 0.94   | W933151  | 0.39   | -0.5   | 0.0022 | 0.0024 | 0.0062 |
|                                                                                                                                                                                                                                                                                                      |        |                         | 191.64   | 192.60 | 0.96   | W933152  | 0.01   | -0.5   | 0.0024 | 0.0032 | 0.0061 |
|                                                                                                                                                                                                                                                                                                      |        |                         | 192.60   | 193.15 | 0.55   | W933153  | -0.01  | -0.5   | 0.0027 | 0.0022 | 0.0065 |
|                                                                                                                                                                                                                                                                                                      |        |                         | 193.15   | 193.60 | 0.45   | W933154  | 0.02   | -0.5   | 0.008  | 0.0049 | 0.0064 |
|                                                                                                                                                                                                                                                                                                      |        |                         | 193.60   | 194.33 | 0.73   | W933155  | 0.01   | -0.5   | 0.0027 | 0.0022 | 0.0062 |
|                                                                                                                                                                                                                                                                                                      |        |                         | 194.33   | 195.00 | 0.67   | W933156  | -0.01  | -0.5   | 0.001  | 0.0017 | 0.0057 |
|                                                                                                                                                                                                                                                                                                      |        |                         | 195.00   | 195.60 | 0.60   | W933157  | 0.01   | -0.5   | 0.0016 | 0.0033 | 0.0059 |
|                                                                                                                                                                                                                                                                                                      |        |                         | 195.60   | 196.20 | 0.60   | W933158  | -0.01  | -0.5   | 0.001  | 0.0025 | 0.0063 |



# GeoSpark: Drill Hole Report

## Relog Number 1

Hole: GP-280A-06

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|          |        |                         | 196.20   | 196.70 | 0.50   | W933159  | -0.01  | -0.5   | 0.0016 | 0.0025 | 0.0062 |
|          |        |                         | 196.70   | 197.20 | 0.50   | W933161  | 0.33   | -0.5   | 0.0027 | 0.0025 | 0.006  |
|          |        |                         | 197.20   | 197.38 | 0.18   | W933162  | 0.02   | -0.5   | 0.0074 | 0.0024 | 0.006  |
|          |        |                         | 197.38   | 197.91 | 0.53   | W933163  | 0.03   | -0.5   | 0.0034 | 0.0026 | 0.0064 |
|          |        |                         | 197.91   | 198.87 | 0.96   | W933164  | 0.57   | 1.3    | 0.0044 | 0.0138 | 0.0051 |
|          |        |                         | 198.87   | 199.50 | 0.63   | W933165  | -0.01  | -0.5   | 0.0016 | 0.0025 | 0.006  |
|          |        |                         | 199.50   | 200.00 | 0.50   | W933166  | 0.56   | -0.5   | 0.001  | 0.0025 | 0.006  |
|          |        |                         | 200.00   | 200.50 | 0.50   | W933167  | 0.1    | -0.5   | 0.002  | 0.0031 | 0.0059 |
|          |        |                         | 200.50   | 200.95 | 0.45   | W933168  | 0.1    | -0.5   | 0.0041 | 0.0022 | 0.0046 |
|          |        |                         | 200.95   | 201.85 | 0.90   | W933169  | -0.01  | -0.5   | 0.0117 | 0.0028 | 0.0064 |
|          |        |                         | 201.85   | 202.25 | 0.40   | W933171  | 0.05   | -0.5   | 0.0158 | 0.002  | 0.0062 |
|          |        |                         | 202.25   | 202.70 | 0.45   | W933172  | -0.01  | -0.5   | 0.0074 | 0.0021 | 0.0063 |
|          |        |                         | 202.70   | 203.60 | 0.90   | W933173  | 0.07   | -0.5   | 0.0035 | 0.0028 | 0.0053 |
|          |        |                         | 203.60   | 204.01 | 0.41   | W933174  | 0.11   | -0.5   | 0.0025 | 0.0021 | 0.0055 |
|          |        |                         | 204.01   | 205.00 | 0.99   | W933175  | 0.33   | -0.5   | 0.0012 | 0.002  | 0.0042 |
|          |        |                         | 205.00   | 205.50 | 0.50   | W933176  | 0.02   | -0.5   | 0.002  | 0.002  | 0.0058 |
|          |        |                         | 205.50   | 206.20 | 0.70   | W933177  | -0.01  | -0.5   | 0.0013 | 0.0024 | 0.006  |
|          |        |                         | 206.20   | 206.50 | 0.30   | W933178  | 0.01   | -0.5   | 0.0059 | 0.0036 | 0.0043 |
|          |        |                         | 206.50   | 207.00 | 0.50   | W933179  | 0.01   | -0.5   | 0.0151 | 0.0066 | 0.0066 |
|          |        |                         | 207.00   | 207.55 | 0.55   | W933181  | -0.01  | -0.5   | 0.0021 | 0.005  | 0.0062 |
|          |        |                         | 207.55   | 208.40 | 0.85   | W933182  | 0.01   | -0.5   | 0.0037 | 0.0022 | 0.006  |
|          |        |                         | 208.40   | 208.90 | 0.50   | W933183  | 0.02   | -0.5   | 0.0036 | 0.0022 | 0.0065 |
|          |        |                         | 208.90   | 209.59 | 0.69   | W933184  | -0.01  | -0.5   | 0.0029 | 0.0023 | 0.0065 |
|          |        |                         | 209.59   | 210.20 | 0.61   | W933185  | 0.73   | -0.5   | 0.0116 | 0.0054 | 0.0058 |
|          |        |                         | 210.20   | 211.00 | 0.80   | W933186  | 0.01   | -0.5   | 0.0006 | 0.0024 | 0.0063 |
|          |        |                         | 211.00   | 211.48 | 0.48   | W933187  | 0.02   | -0.5   | 0.0006 | 0.0023 | 0.0062 |
|          |        |                         | 211.48   | 212.26 | 0.78   | W933188  | 0.89   | -0.5   | 0.0009 | 0.0025 | 0.0058 |
|          |        |                         | 212.26   | 213.05 | 0.79   | W933189  | -0.01  | -0.5   | 0.0009 | 0.0023 | 0.0064 |

## GeoSpark: Drill Hole Report

### *Relog Number 1*

Hole: GP-280A-06

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|          |        |                         | 213.05   | 213.70 | 0.65   | W933191  | 0.03   | -0.5   | 0.0075 | 0.0063 | 0.0058 |
|          |        |                         | 213.70   | 214.30 | 0.60   | W933192  | -0.01  | -0.5   | 0.0011 | 0.0027 | 0.0059 |
|          |        |                         | 214.30   | 215.00 | 0.70   | W933193  | -0.01  | -0.5   | 0.004  | 0.0032 | 0.0058 |
|          |        |                         | 215.00   | 216.50 | 1.50   | W933194  | -0.01  | -0.5   | 0.0026 | 0.0037 | 0.0062 |
|          |        |                         | 216.50   | 218.00 | 1.50   | W933195  | -0.01  | -0.5   | 0.0012 | 0.0021 | 0.0065 |
|          |        |                         | 218.00   | 219.00 | 1.00   | W933196  | -0.01  | -0.5   | 0.0016 | 0.0022 | 0.0064 |
|          |        |                         | 219.00   | 220.10 | 1.10   | W933197  | 0.15   | -0.5   | 0.0022 | 0.0017 | 0.0059 |
|          |        |                         | 220.10   | 221.00 | 0.90   | W933198  | 0.01   | -0.5   | 0.001  | 0.0014 | 0.0059 |
|          |        |                         | 221.00   | 221.58 | 0.58   | W933199  | 0.01   | -0.5   | 0.0046 | 0.002  | 0.0066 |
|          |        |                         | 221.58   | 222.40 | 0.82   | W933201  | 0.18   | -0.5   | 0.0028 | 0.0015 | 0.0069 |
|          |        |                         | 222.40   | 223.15 | 0.75   | W933202  | 0.06   | 0.7    | 0.0014 | 0.0039 | 0.0063 |
|          |        |                         | 223.15   | 224.23 | 1.08   | W933203  | 0.04   | -0.5   | 0.0019 | 0.0019 | 0.0067 |
|          |        |                         | 224.23   | 225.30 | 1.07   | W933204  | -0.01  | -0.5   | 0.0021 | 0.0025 | 0.0067 |
|          |        |                         | 228.80   | 229.84 | 1.04   | W933205  | -0.01  | -0.5   | 0.002  | 0.0028 | 0.0067 |
|          |        |                         | 229.84   | 230.50 | 0.66   | W933206  | 0.09   | -0.5   | 0.0036 | 0.0043 | 0.0065 |
|          |        |                         | 230.50   | 231.33 | 0.83   | W933207  | 0.01   | -0.5   | 0.0038 | 0.0034 | 0.0048 |
|          |        |                         | 231.33   | 232.40 | 1.07   | W933208  | -0.01  | -0.5   | 0.0037 | 0.0029 | 0.0066 |
|          |        |                         | 237.30   | 238.24 | 0.94   | W933271  | -0.01  | -0.5   | 0.0019 | 0.0024 | 0.0062 |
|          |        |                         | 238.24   | 238.68 | 0.44   | W933272  | 0.04   | -0.5   | 0.0023 | 0.0022 | 0.006  |
|          |        |                         | 238.68   | 239.90 | 1.22   | W933273  | -0.01  | -0.5   | 0.0021 | 0.0032 | 0.0066 |
|          |        |                         | 242.76   | 243.66 | 0.90   | W933209  | -0.01  | -0.5   | 0.0023 | 0.0051 | 0.0064 |
|          |        |                         | 243.66   | 244.40 | 0.74   | W933211  | 0.04   | -0.5   | 0.0037 | 0.0025 | 0.0058 |
|          |        |                         | 244.40   | 244.94 | 0.54   | W933212  | -0.01  | -0.5   | 0.0036 | 0.0019 | 0.0028 |
|          |        |                         | 244.94   | 245.44 | 0.50   | W933213  | -0.01  | 0.5    | 0.0036 | 0.0048 | 0.0055 |
|          |        |                         | 245.44   | 246.50 | 1.06   | W933214  | -0.01  | -0.5   | 0.003  | 0.0028 | 0.0065 |
|          |        |                         | 246.50   | 247.27 | 0.77   | W933215  | -0.01  | -0.5   | 0.0007 | 0.0026 | 0.0063 |
|          |        |                         | 247.27   | 248.10 | 0.83   | W933216  | 0.01   | -0.5   | 0.0011 | 0.0021 | 0.005  |
|          |        |                         | 248.10   | 248.60 | 0.50   | W933217  | 0.01   | -0.5   | 0.0038 | 0.0013 | 0.0039 |

Hole: GP-280A-06

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|          |        |                         | 248.60   | 249.25 | 0.65   | W933218  | 0.28   | 7.9    | 0.002  | 0.0738 | 0.0022 |
|          |        |                         | 249.25   | 249.84 | 0.59   | W933219  | -0.01  | -0.5   | 0.0013 | 0.0023 | 0.0062 |
|          |        |                         | 249.84   | 251.00 | 1.16   | W933221  | 0.06   | 0.6    | 0.002  | 0.0048 | 0.0035 |
|          |        |                         | 254.45   | 255.35 | 0.90   | W933222  | -0.01  | 1.4    | 0.0066 | 0.0114 | 0.0065 |
|          |        |                         | 255.35   | 255.90 | 0.55   | W933223  | 0.07   | 14.5   | 0.0035 | 0.0691 | 0.0037 |
|          |        |                         | 255.90   | 256.48 | 0.58   | W933224  | -0.01  | 0.7    | 0.0009 | 0.0014 | 0.0055 |
|          |        |                         | 256.48   | 256.98 | 0.50   | W933225  | 0.08   | 109    | 0.0168 | 0.468  | 0.0066 |
|          |        |                         | 256.98   | 257.90 | 0.92   | W933226  | 0.01   | 0.7    | 0.0038 | 0.0043 | 0.0058 |
|          |        |                         | 257.90   | 259.40 | 1.50   | W933227  | -0.01  | -0.5   | 0.0031 | 0.003  | 0.0062 |
|          |        |                         | 259.40   | 260.52 | 1.12   | W933228  | -0.01  | -0.5   | 0.0058 | 0.004  | 0.0064 |
|          |        |                         | 260.52   | 261.45 | 0.93   | W933229  | 0.01   | 0.7    | 0.0034 | 0.0204 | 0.0051 |
|          |        |                         | 261.45   | 262.49 | 1.04   | W933231  | -0.01  | -0.5   | 0.0023 | 0.002  | 0.0066 |
|          |        |                         | 262.49   | 262.96 | 0.47   | W933232  | 0.01   | 7.8    | 0.0029 | 0.0758 | 0.0061 |
|          |        |                         | 262.96   | 264.30 | 1.34   | W933233  | -0.01  | -0.5   | 0.0023 | 0.0031 | 0.0063 |
|          |        |                         | 264.30   | 264.75 | 0.45   | W933234  | 0.02   | -0.5   | 0.0041 | 0.0033 | 0.0045 |
|          |        |                         | 264.75   | 265.90 | 1.15   | W933235  | -0.01  | -0.5   | 0.0062 | 0.0031 | 0.0051 |
|          |        |                         | 265.90   | 266.85 | 0.95   | W933236  | -0.01  | -0.5   | 0.0032 | 0.0022 | 0.0062 |
|          |        |                         | 266.85   | 267.10 | 0.25   | W933237  | -0.01  | -0.5   | 0.0014 | 0.0019 | 0.0067 |
|          |        |                         | 267.10   | 267.88 | 0.78   | W933238  | 0.01   | -0.5   | 0.0014 | 0.0021 | 0.0045 |
|          |        |                         | 267.88   | 268.88 | 1.00   | W933239  | -0.01  | -0.5   | 0.0014 | 0.0027 | 0.0062 |
|          |        |                         | 272.80   | 273.40 | 0.60   | W933241  | 0.01   | -0.5   | 0.003  | 0.0099 | 0.0063 |
|          |        |                         | 273.40   | 274.36 | 0.96   | W933242  | 0.04   | -0.5   | 0.0027 | 0.0039 | 0.006  |
|          |        |                         | 274.36   | 275.26 | 0.90   | W933243  | 0.01   | -0.5   | 0.0011 | 0.0023 | 0.0063 |
|          |        |                         | 275.26   | 276.26 | 1.00   | W933244  | 0.01   | -0.5   | 0.001  | 0.0019 | 0.0061 |
|          |        |                         | 276.26   | 277.50 | 1.24   | W933245  | 0.01   | -0.5   | 0.0007 | 0.0016 | 0.0059 |
|          |        |                         | 277.50   | 278.50 | 1.00   | W933246  | 0.01   | -0.5   | 0.0021 | 0.0054 | 0.0059 |
|          |        |                         | 278.50   | 279.50 | 1.00   | W933247  | 0.03   | 4      | 0.0036 | 0.0458 | 0.0059 |
|          |        |                         | 279.50   | 280.50 | 1.00   | W933248  | -0.01  | -0.5   | 0.0019 | 0.0041 | 0.0065 |

**Hole: GP-280A-06**

| From (m)      | To (m)        | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct   |
|---------------|---------------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|----------|
|               |               |                         | 280.50   | 281.40 | 0.90   | W933249  | 0.04   | -0.5   | 0.0043 | 0.0023 | 0.0065   |
|               |               |                         | 281.40   | 282.20 | 0.80   | W933251  | 0.01   | -0.5   | 0.0021 | 0.0018 | 0.0065   |
|               |               |                         | 282.25   | 283.75 | 1.50   | W933252  | 0.01   | 0.8    | 0.0033 | 0.0057 | 0.0065   |
|               |               |                         | 283.80   | 284.80 | 1.00   | W933253  | -0.01  | -0.5   | 0.0026 | 0.0016 | 0.006    |
|               |               |                         | 284.80   | 286.30 | 1.50   | W933254  | -0.01  | -0.5   | 0.0013 | 0.0019 | 0.0055   |
|               |               |                         | 286.30   | 287.30 | 1.00   | W933255  | -0.01  | -0.5   | 0.001  | 0.0019 | 0.0059   |
|               |               |                         | 287.30   | 288.32 | 1.02   | W933256  | -0.01  | -0.5   | 0.0101 | 0.0022 | 0.0063   |
|               |               |                         | 288.32   | 288.84 | 0.52   | W933257  | 0.01   | -0.5   | 0.0561 | 0.0038 | 0.005    |
|               |               |                         | 288.84   | 289.90 | 1.06   | W933258  | -0.01  | -0.5   | 0.0031 | 0.002  | 0.0063   |
|               |               |                         | 289.90   | 290.80 | 0.90   | W933259  | -0.01  | -0.5   | 0.002  | 0.0025 | 0.0055   |
|               |               |                         | 290.80   | 291.69 | 0.89   | W933261  | 0.01   | -0.5   | 0.0019 | 0.0015 | 0.0064   |
|               |               |                         | 291.69   | 292.50 | 0.81   | W933262  | -0.01  | -0.5   | 0.0121 | 0.0022 | 0.0066   |
|               |               |                         | 295.40   | 296.10 | 0.70   | W933263  | 0.02   | -0.5   | 0.0022 | 0.0017 | 0.005    |
|               |               |                         | 296.10   | 297.10 | 1.00   | W933264  | 0.11   | 1.5    | 0.0264 | 0.0018 | 0.0045   |
|               |               |                         | 297.10   | 297.98 | 0.88   | W933265  | 0.01   | -0.5   | 0.0106 | 0.0018 | 0.007    |
|               |               |                         | 297.98   | 298.40 | 0.42   | W933266  | 0.01   | -0.5   | 0.0019 | 0.0012 | 0.0068   |
|               |               |                         | 298.40   | 299.60 | 1.20   | W933267  | 0.03   | -0.5   | 0.0062 | 0.0009 | 0.0064   |
|               |               |                         | 299.60   | 300.35 | 0.75   | W933268  | -0.01  | 0.6    | 0.0042 | 0.003  | 0.0064   |
|               |               |                         | 300.35   | 301.18 | 0.83   | W933269  | -0.01  | 0.7    | 0.0063 | 0.0066 | 0.0063   |
| <b>301.18</b> | <b>301.18</b> | <b>EOH</b>              |          |        |        |          |        |        |        |        | <b>0</b> |

End of Hole @ 301.18

**Project:** Golden Perimeter

**Hole:** GP-280A-17

|                             |               |                                |             |                          |                          |
|-----------------------------|---------------|--------------------------------|-------------|--------------------------|--------------------------|
| <b>Prospect:</b>            | GP            | <b>Survey Type:</b>            | Kim Hatcher | <b>Hole Type:</b>        | DD                       |
| <b>Datum:</b>               | NAD83         | <b>Survey By:</b>              |             | <b>Core Size:</b>        | BQ                       |
| <b>Vertical Datum:</b>      |               | <b>Azimuth:</b>                | 0           | <b>Date Started:</b>     |                          |
| <b>Zone:</b>                | 17N           | <b>Dip:</b>                    | -45         | <b>Date Completed:</b>   |                          |
| <b>UTM East:</b>            | 504151.18199  | <b>Length (m):</b>             | 253.7       | <b>Drill Company:</b>    | Norex                    |
| <b>UTM North:</b>           | 5349934.19699 |                                |             | <b>Drill Started:</b>    |                          |
| <b>UTM Elevation (m):</b>   | 298.54313     |                                |             | <b>Drill Completed:</b>  |                          |
| <b>Local Grid:</b>          | ODHD_NAD83    | <b>Comments:</b>               |             | <b>Casing Pulled?:</b>   | <input type="checkbox"/> |
| <b>Local East:</b>          | 504132        | First box at 106.06m (box 17). |             | <b>Casing Depth (m):</b> | 14.02                    |
| <b>Local North:</b>         | 5349810       |                                |             | <b>H Core Depth (m):</b> |                          |
| <b>Local Elevation (m):</b> | 298.39191     |                                |             | <b>N Core Depth (m):</b> |                          |
|                             |               |                                |             | <b>B Core Depth (m):</b> | 253.7                    |

| Depth (m) | Survey Method | Survey By | Date Surveyed | Dip   | Azimuth | Mag. Field | Accept Values?                      | Comments |
|-----------|---------------|-----------|---------------|-------|---------|------------|-------------------------------------|----------|
| 0         | Unknown       |           |               | -45   | 360     |            | <input checked="" type="checkbox"/> |          |
| 100       | Unknown       |           |               | -39.5 | 360     |            | <input checked="" type="checkbox"/> |          |
| 200       | Unknown       |           |               | -37.5 | 360     |            | <input checked="" type="checkbox"/> |          |
| 253.7     | Unknown       |           |               | -37.5 | 360     |            | <input checked="" type="checkbox"/> |          |

Hole: GP-280A-17

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct  | Zn pct |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|---------|--------|
| 0.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 14.02  | Casing                  |          |        |        |          |        |        |        |         |        |
| 14.02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 17.56  | Kom Msv                 |          |        |        |          |        |        |        |         |        |
| 17.56                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 22.25  | Kom Msv                 |          |        |        |          |        |        |        |         |        |
| 22.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 22.78  | FP                      |          |        |        |          |        |        |        |         |        |
| 22.78                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 27.70  | Kom Msv                 |          |        |        |          |        |        |        |         |        |
| 27.70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 42.50  | Kom Msv                 |          |        |        |          |        |        |        |         |        |
| 42.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 49.73  | Kom Msv                 |          |        |        |          |        |        |        |         |        |
| 49.73                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 70.27  | Kom Msv                 |          |        |        |          |        |        |        |         |        |
| 70.27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 72.23  | Kom Spx                 |          |        |        |          |        |        |        |         |        |
| 72.23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 79.00  | Int Intrusive           |          |        |        |          |        |        |        |         |        |
| 79.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 106.06 | Kom Msv                 |          |        |        |          |        |        |        |         |        |
| 106.06                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 121.00 | Kom (Spx) mag cvs       |          |        |        |          |        |        |        |         |        |
| <p>Dark grey, fine grained, magnetic, carbonate altered komatiite with faint spinifex texture common throughout interval (&gt;70%). Moderately carbonatized (ankerite), non effervescent. Weakly serpentine +/- talc altered. Sub-planar to chaotic iron carbonate veining and carbonate +/- serpentine infilled fractures throughout. Lower contact defined by transition into massive komatiite (lacking significant spinifex texture).</p> <p>&lt;&lt; Min: 106.06 - 121: pyrite 0.1% FG Disseminated &gt;&gt; Very minor disseminated subhedral pyrite grains.</p> <p>&lt;&lt; Alt: 106.06 - 121: mag moderate Pervasive / FeCarb weak to moderate Patchy / serp weak Patchy / tal weak Pervasive &gt;&gt; Iron carbonate speckled throughout, locally creates mottled texture.</p> <p>&lt;&lt; Vein: 106.06 - 121: CVs 7% FG Irregular/Blebby &gt;&gt; Carbonate veining and carbonate +/- serpentine filled fractures locally weakly brecciate host rock. Sub-planar to irregular carbonate veining throughout. Two average alpha orientations of planar carb veins ~15 and 40 degrees (very approx).</p> |        |                         |          |        |        |          |        |        |        |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                         | 115.89   | 116.50 | 0.61   | W934547  | -0.01  | -0.5   | 0.0121 | -0.0002 | 0.0096 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                         | 116.50   | 117.34 | 0.84   | W934548  | 0.01   | -0.5   | 0.0068 | 0.0002  | 0.0059 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                         | 117.34   | 118.00 | 0.66   | W934549  | -0.01  | -0.5   | 0.0054 | -0.0002 | 0.008  |

**Hole: GP-280A-17**

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | To (m)        | Rock Type & Description               | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct  | Zn pct |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------------------------|----------|--------|--------|----------|--------|--------|--------|---------|--------|
| <b>121.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>139.44</b> | <b>Kom Msv mag cvs</b>                |          |        |        |          |        |        |        |         |        |
| <p>Dark grey, fine grained, massive, magnetic, carbonate +/- serpentine altered, locally variolitic(?) komatiite. Moderately carbonatized (ankerite), non effervescent. Weakly serpentine +/- talc altered.</p> <p>Large sections of abundant fine to very fine grained iron carb-replaced specks (called varioles in historic log). Irregular to sub-planar carb veining and carb +/- serpentine infilled fractures throughout. Lower contact gradational, defined by increase in iron carb and weak fuchsite alteration.</p> <p>&lt;&lt; Min: 121 - 139.44: pyrite 0.5% FG Disseminated &gt;&gt; Local concentrations of fine, subhedral pyrite cubes.</p> <p>&lt;&lt; Alt: 121 - 139.44: mag moderate Pervasive / FeCarb moderate Patchy / serp weak to moderate Patchy / tal weak Pervasive &gt;&gt; Sections of slightly stronger serpentine alteration. Iron carb creates mottled texture throughout (selectively altering varioles?).</p> <p>&lt;&lt; Vein: 121 - 139.44: CVs 5% FG Planar &gt;&gt; Carb veining dominantly sub-planar with minor irregular veinlets and carb-filled hairline fractures.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |                                       |          |        |        |          |        |        |        |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                       | 122.50   | 123.00 | 0.50   | W934551  | 0.01   | -0.5   | 0.0012 | -0.0002 | 0.0042 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                       | 123.00   | 123.52 | 0.52   | W934552  | 0.01   | -0.5   | 0.0023 | -0.0002 | 0.004  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                       | 139.44   | 140.28 | 0.84   | W934553  | 0.01   | -0.5   | 0.0023 | -0.0002 | 0.0055 |
| <b>139.44</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>145.10</b> | <b>Kom (fol) carb (fuch) QCVs QVs</b> |          |        |        |          |        |        |        |         |        |
| <p>Light greyish green, fine grained, weakly foliated, carbonate +/- fuch altered ultramafic unit. Significant quartz +/- carbonate veining. Trace pyrite blebs. Lower contact gradational into more strongly fuchsite altered zone.</p> <p>&lt;&lt; Min: 139.44 - 145.1: pyrite 0.2% FG Disseminated &gt;&gt; Trace medium sub-rounded pyrite grains/blebs.</p> <p>&lt;&lt; Alt: 139.44 - 141.88: FeCarb moderate Patchy / fuch weak Patchy / chl weak Selective / serp weak Selective &gt;&gt; Very weakly fuchsitic, increases slightly after 140.28m. Fine iron carb creates fuzzy appearance. Minor serp +/- chl along select vein selvages/defining foliation.</p> <p>&lt;&lt; Alt: 141.88 - 144.19: fuch weak to moderate Patchy / FeCarb moderate Patchy / chl weak Selective &gt;&gt; Fuchsite increases gradationally downhole within interval. Faint, fine to medium blebs of iron carbonate locally amalgamate; creates mottled texture.</p> <p>&lt;&lt; Alt: 144.19 - 145.1: fuch moderate Pervasive / FeCarb weak to moderate Patchy &gt;&gt; Fuchsite pervasive throughout protolith. Fine iron carb creates fuzzy texture throughout.</p> <p>&lt;&lt; Vein: 139.44 - 142.7: QCVs 10% MG Planar massive / QVs 7% FG Planar massive &gt;&gt; Quartz-carbonate veining sub-planar to foliation (average alpha ~40, ranges from 30-50 degrees). White quartz with biege, iron carbonate blebs within and/or along selvage. Rare grain boundaries perpendicular to vein margin. Occasionally cut by thicker, sub-planar, white quartz-dominated quartz-carb veins with fine to medium iron carb.</p> |               |                                       |          |        |        |          |        |        |        |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                       | 140.28   | 140.90 | 0.62   | W934554  | 0.04   | -0.5   | 0.0052 | -0.0002 | 0.0049 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                       | 140.90   | 141.88 | 0.98   | W934555  | 0.06   | -0.5   | 0.004  | -0.0002 | 0.005  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                       | 141.88   | 142.70 | 0.82   | W934556  | 0.04   | -0.5   | 0.0037 | -0.0002 | 0.0057 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                       | 142.70   | 143.39 | 0.69   | W934557  | 0.01   | -0.5   | 0.0029 | -0.0002 | 0.0058 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                       | 143.39   | 144.19 | 0.80   | W934558  | 0.01   | -0.5   | 0.0024 | -0.0002 | 0.0044 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                       | 144.19   | 145.10 | 0.91   | W934559  | 0.01   | -0.5   | 0.0018 | -0.0002 | 0.0048 |

Hole: GP-280A-17

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                             | To (m)        | Rock Type & Description              | From (m) | To (m) | Length | Sample #   | Au ppm | Ag ppm | Cu pct | Pb pct  | Zn pct |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------|----------|--------|--------|------------|--------|--------|--------|---------|--------|
| <p>&lt;&lt; Vein: 142.7 - 145.1: QCVs 20% FG Irregular/Blebby massive / QVs 1% FG Planar massive &gt;&gt; Faint, irregular/wormy quartz-carb veining with lesser, more distinct sub-planar to slightly undulating veins. Slightly milky quartz with fine to medium iron carbonate-variable throughout veins. Chlorite +/- fuch selvage common. Minor late quartz-dominant veins.</p>                                                                                 |               |                                      |          |        |        |            |        |        |        |         |        |
| <b>145.10</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>150.40</b> | <b>Carb-Fuch QCVs QVs</b>            |          |        |        | <b>305</b> |        |        |        |         |        |
| <p>Light to medium apple green, fine grained, fuchsite +/- carbonate altered zone. Likely altering ultramafic komatiite. Abundant sub-planar to irregular/wispy quartz-carbonate and late sub-planar quartz veining. Iron carbonate and chl +/- fuch selvages common. Trace subhedral pyrite grains throughout. Lower contact sharp; defined by thick quartz vein cut shallow TCA.</p>                                                                               |               |                                      |          |        |        |            |        |        |        |         |        |
| <p>&lt;&lt; Min: 145.1 - 150.4: pyrite 1% FG Disseminated &gt;&gt; Fine to medium, subhedral to anhedral pyrite grains. Often oxidized on exposed/drilled surface.</p>                                                                                                                                                                                                                                                                                               |               |                                      |          |        |        |            |        |        |        |         |        |
| <p>&lt;&lt; Alt: 145.1 - 150.4: fuch moderate to strong Pervasive / FeCarb weak to moderate Pervasive &gt;&gt; Strong green-blue fuchsite alteration dusted by very fine iron carb creating lightly bleached appearance.</p>                                                                                                                                                                                                                                         |               |                                      |          |        |        |            |        |        |        |         |        |
| <p>&lt;&lt; Vein: 145.1 - 149.23: QCVs 10% MG Irregular/Blebby massive / QVs 3% FG Planar massive &gt;&gt; Irregular to wispy/wormy quartz-carbonate veins and veinlets. Moderate to significant fine to medium subhedral carbonate within veins or locally along vein margin. Wispy chlorite +/- fuchsite selvage common. Minor late, white, sub-planar quartz veins oblique TCA (average alpha ~45 degrees -very approximate).</p>                                 |               |                                      |          |        |        |            |        |        |        |         |        |
| <p>&lt;&lt; Vein: 149.23 - 149.9: QVs 30% FG Planar massive / QCVs 5% VFG Irregular/Blebby massive &gt;&gt; Massive, sub-planar, white quartz vein with thin iron carbonate along vein margin. Sparse chl/fuch selvage. Very shallow TCA (0-15 degrees); split parallel to vein creating false thickness (15mm best estimate of true thickness). Appears to cut quartz-carbonate veinlets though relationship unclear due to splitting.</p>                          |               |                                      |          |        |        |            |        |        |        |         |        |
| <p>&lt;&lt; Vein: 149.9 - 150.4: QCVs 4% FG Planar massive / QVs 1% FG Planar massive &gt;&gt; Sub-planar qz-carb veinlets with creamy iron carb and glassy quartz within and locally along vein margin. Cut by shallow quartz-dominated vein with thin carb selvage (core split along this vein).</p>                                                                                                                                                               |               |                                      |          |        |        |            |        |        |        |         |        |
| <b>150.40</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>150.70</b> | <b>QV Msv + (QCVs) + (carb-fuch)</b> |          |        |        | <b>300</b> |        |        |        |         |        |
| <p>Milky white, massive, sub-planar to slightly undulating/irregular quartz vein shallow TCA (85% vein, 15% carb-fuchsite altered wall rock). Very minor iron carbonate speckled along vein margin. Irregular quartz-carbonate veinlets within host rock. Thin fuchsite +/- chlorite selvage along main vein and earlier (?) qz-carb veining. Very minor pyrite in host rock. Vein continues downhole; lower contact defined by majority abundance of wall rock.</p> |               |                                      |          |        |        |            |        |        |        |         |        |
| <p>&lt;&lt; Min: 150.4 - 150.7: pyrite 0.5% FG Disseminated &gt;&gt; Very minor very fine to fine pyrite within wallrock.</p>                                                                                                                                                                                                                                                                                                                                        |               |                                      |          |        |        |            |        |        |        |         |        |
| <p>&lt;&lt; Alt: 150.4 - 150.7: fuch moderate to strong Selective / FeCarb weak to moderate Patchy &gt;&gt; Fuchsite and carbonate alter wall rock.</p>                                                                                                                                                                                                                                                                                                              |               |                                      |          |        |        |            |        |        |        |         |        |
| 145.10                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 145.80        |                                      | 145.10   | 145.80 | 0.70   | W934561    | 0.01   | -0.5   | 0.0031 | -0.0002 | 0.0046 |
| 145.80                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 146.60        |                                      | 145.80   | 146.60 | 0.80   | W934562    | 0.01   | -0.5   | 0.0033 | -0.0002 | 0.0044 |
| 146.60                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 147.71        |                                      | 146.60   | 147.71 | 1.11   | W934563    | 0.03   | -0.5   | 0.0046 | -0.0002 | 0.0049 |
| 147.71                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 148.44        |                                      | 147.71   | 148.44 | 0.73   | W934564    | 0.09   | -0.5   | 0.0027 | -0.0002 | 0.0048 |
| 148.44                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 149.23        |                                      | 148.44   | 149.23 | 0.79   | W934565    | -0.01  | -0.5   | 0.0021 | -0.0002 | 0.0047 |
| 149.23                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 149.90        |                                      | 149.23   | 149.90 | 0.67   | W934566    | 0.1    | -0.5   | 0.0035 | -0.0002 | 0.0032 |
| 149.90                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 150.40        |                                      | 149.90   | 150.40 | 0.50   | W934567    | 0.22   | -0.5   | 0.0014 | -0.0002 | 0.005  |



**Hole:** GP-280A-17

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | To (m)        | Rock Type & Description          | From (m) | To (m) | Length | Sample #   | Au ppm | Ag ppm | Cu pct | Pb pct  | Zn pct |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------------------------|----------|--------|--------|------------|--------|--------|--------|---------|--------|
| <p>&lt;&lt; Vein: 150.4 - 150.7: QVs 85% Irregular/Blebby massive / QCVs 2% FG Irregular/Blebby massive &gt;&gt; Massive white quartz vein with iron carbonate selvage. Small (~1cm) elongate to sub-rounded segments of wallrock within vein. Faint ghostly medium sub-rounded grain boundaries? True thickness likely exaggerated by shallow angle TCA (alpha ~10 degrees (very approximate)). Best estimate ~10cm thick. Fills &gt;85% of interval. Irregular to wormy qz-carb veinlets within adjacent host rock. Likely earlier than the main qz vein (crosscutting relationship unclear, inferred from directly downhole). Thin fuchsite +/- chlorite selvages along both vein types.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                                  |          |        |        |            |        |        |        |         |        |
| 150.40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 150.70        |                                  | 150.40   | 150.70 | 0.30   | W934568    | 0.05   | -0.5   | 0.0015 | -0.0002 | 0.0021 |
| <b>150.70</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>152.50</b> | <b>Carb-Fuch QVs QCVs</b>        |          |        |        | <b>305</b> |        |        |        |         |        |
| <p>Same unit as 145.10-150.4m (light to medium apple green, fine grained, fuchsite +/- carbonate altered zone). Abundant thick (2-3cm), sub-planar quartz veining cuts earlier, irregular quartz-carbonate veining. Iron carbonate and chl +/- fuch selvages common.</p> <p>Very minor pyrite blebs throughout. Lower contact defined by significant quartz vein/vein zone.</p> <p>&lt;&lt; Min: 150.7 - 152.5: pyrite 1% MG Disseminated &gt;&gt; Medium, subhedral to blebby pyrite disseminated throughout. Often rusted out.</p> <p>&lt;&lt; Alt: 150.7 - 152.5: fuch moderate to strong Pervasive / FeCarb weak to moderate Pervasive &gt;&gt; Strong pervasive fuchsite alteration and weaker iron carbonate create slightly bleached/dusty appearance.</p> <p>&lt;&lt; Vein: 150.7 - 151.4: QVs 25% VFG Planar massive / QCVs 15% FG Irregular/Blebby massive &gt;&gt; Late, thick (2-3cm), sub-planar to slightly undulating, cloudy quartz with diffuse vein boundaries. Earlier quartz-carbonate veining more irregular/chaotic. Weak carbonate often speckled along margin of both vein types. Chl +/- fuch selvages more common along qz-carb veins.</p> <p>&lt;&lt; Vein: 151.4 - 152.5: QCVs 10% FG Planar massive / QVs 7% MG Irregular/Blebby massive &gt;&gt; Sub-planar to slightly undulating cloudy quartz veins cut irregular fine to medium grained qz-carb veins. Wispy fuch/chl selvage common along qz-carb veins. Thin discontinuous carb selvage along select quartz veins.</p> |               |                                  |          |        |        |            |        |        |        |         |        |
| 150.70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 150.98        |                                  | 150.70   | 150.98 | 0.28   | W934569    | 0.02   | -0.5   | 0.0039 | -0.0002 | 0.0047 |
| 150.98                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 151.40        |                                  | 150.98   | 151.40 | 0.42   | W934571    | 0.01   | -0.5   | 0.0048 | 0.0003  | 0.0079 |
| 151.40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 152.50        |                                  | 151.40   | 152.50 | 1.10   | W934572    | 0.03   | -0.5   | 0.0034 | -0.0002 | 0.0048 |
| 152.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 152.80        |                                  | 152.50   | 152.80 | 0.30   | W934573    | -0.01  | -0.5   | 0.0016 | -0.0002 | 0.0025 |
| <b>152.50</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>152.80</b> | <b>QV Msv + QCVs + carb-fuch</b> |          |        |        | <b>300</b> |        |        |        |         |        |
| <p>Cloudy white, very fine grained, massive quartz veining (~50%) and irregular quartz-carbonate veins (~25%) within fuchsite-carb altered zone. First half of interval dominated by quartz vein. Lower half of interval hosts significant quartz-carb veining. Timing unclear due to diffuse vein boundaries of quartz vein. Fine to medium carbonate grains within QCVs. Occasional dark chlorite +/- fuchsite selvage. Trace very fine grained pyrite within host rock. Lower contact defined by decrease in significantly abundant veining.</p> <p>&lt;&lt; Min: 152.5 - 152.8: pyrite 0.1% VFG Disseminated &gt;&gt; Trace very fine grained pyrite within wallrock.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                  |          |        |        |            |        |        |        |         |        |

**Hole: GP-280A-17**

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|

<< Alt: 152.5 - 152.8: fuch moderate to strong Pervasive / FeCarb weak to moderate Patchy >> Patches of stonger iron carb alteration within wallrock.

<< Vein: 152.5 - 152.8: QVs 50% VFG Irregular/Blebby massive / QCVs 25% MG Irregular/Blebby massive >> True thickness of quartz veining unclear due to split core and shallow angle TCA. Spans first 15cm of interval. Quartz-carb veins vary in thickness (3-30mm). Distinct, dark, wispy chlorite +/-fuch selvages along select QCVs. Rare iron carbonate speckled along lowest margin of quartz veining.

|        |        |      |         |      |      |        |         |        |
|--------|--------|------|---------|------|------|--------|---------|--------|
| 152.80 | 153.90 | 1.10 | W934574 | 0.01 | -0.5 | 0.0017 | -0.0002 | 0.0059 |
|--------|--------|------|---------|------|------|--------|---------|--------|

**152.80 153.90 Carb-Fuch qvs qcvs 305**

Same previous carbonate-fuchsite altered zone (light to medium apple green, fine grained, fuchsite +/- carbonate altered zone). Sub-planar to irregular quartz and quartz-carbonate veining. Minor oxidized fine pyrite grains disseminated throughout. Bottom of unit defined by sharp vein contact.

<< Min: 152.8 - 153.9: pyrite 0.75% FG Disseminated >> Minor fine grained pyrite cubes and blebs; often tarnished/rusted.

<< Alt: 152.8 - 153.9: fuch moderate to strong Pervasive / FeCarb weak to moderate Pervasive >> Lightly bleached from pervasive, very fine to fine iron carb alteration.

<< Vein: 152.8 - 153.9: QVs 5% FG Planar massive / QCVs 2% FG Irregular/Blebby massive >> 0.5-1.5cm, dominantly sub-planar, clear to slightly cloudy quartz veins with iron carbonate blebs along margins. Locally cut more carb-rich QCVs with occasional chl +/-fuch selvage. Vein generations/relationships often unclear, especially in thinner veinlets - potentially infilled fracture network?

**153.90 154.22 QV Msv (carb-fuch) 300**

Faint milky to slightly glassy massive quartz vein. Wispy to sub-rounded inclusions of strongly fuchsite + carbonate altered host rock creates a blebby, ghosted appearance. Very minor iron carbonate within specks within the vein. Trace, very fine, rusty blebs within vein likely previous site of pyrite.

Lower contact defined by end of significant veining ~5cm after sharp lower vein contact (thin section of strong fuch + carb alteration and several qz +/- carb veinlets included in vein unit).

<< Min: 153.9 - 154.22: pyrite 0.05% VFG Disseminated >> Trace very fine grained rusty specks within vein -likely weathered pyrite.

<< Alt: 153.9 - 154.22: fuch moderate to strong Selective / FeCarb weak to moderate Selective >> Faint carb/fuch-altered host rock within quartz vein. Stronger fuchsite + carbonate alteration within last 5cm of interval.

<< Vein: 153.9 - 154.22: QVs 90% VFG Planar massive / QCVs 1.5% FG Irregular/Blebby massive >> Faint cloudy to clearish quartz dominates interval. Thin, frosted/silicified sections of host rock give quartz an elongated, blebby appearance in first half of vein. Minor iron carb specks throughout (late?).

Especially glassy at sharp planar lower vein contact (~50 degrees). Irregular upper contact. Minor sub-planar to irregular qz-carb veins near lower lith contact.

Hole: GP-280A-17

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | To (m)        | Rock Type & Description                   | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct  | Zn pct |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------------------|----------|--------|--------|----------|--------|--------|--------|---------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                           | 153.90   | 154.22 | 0.32   | W934575  | 0.19   | -0.5   | 0.001  | 0.0004  | 0.0014 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                           | 154.22   | 154.80 | 0.58   | W934576  | 0.07   | -0.5   | 0.0035 | -0.0002 | 0.0045 |
| <b>154.22</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>157.88</b> | <b>Carb-Fuch (qvs qcvs)</b>               | 154.80   | 155.75 | 0.95   | W934577  | 0.01   | -0.5   | 0.0031 | 0.0003  | 0.005  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               | 305                                       |          |        |        |          |        |        |        |         |        |
| <p>Same carbonate-fuchsite altered unit, with significantly less quartz/quartz-carb veining. Massive, mottled texture from carbonatization. Minor oxidized pyrite blebs. Gradational lower contact defined by decrease in significant fuchsite alteration.</p> <p>&lt;&lt; Min: 154.22 - 157.88: pyrite 0.8% FG Disseminated &gt;&gt; Minor, rusty blebs/disseminations.</p> <p>&lt;&lt; Alt: 154.22 - 157.88: fuch moderate Pervasive / FeCarb weak to moderate Pervasive &gt;&gt; Slightly less fuchsitic than previous heavily veined units. Iron carbonate alteration creates fuzzy appearance.</p> <p>&lt;&lt; Vein: 154.22 - 157.88: QVs 3% FG Planar massive / QCVs 2% FG Planar massive &gt;&gt; Dominantly sub-planar glassy to milky quartz veinlets, often with significant carbonate speckled along margins. Locally cut planar to irregular quartz-carb veinlets. Several thick (~1cm) irregular quartz veins within interval.</p>                                                                                                                                                           |               |                                           |          |        |        |          |        |        |        |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                           | 155.75   | 156.85 | 1.10   | W934578  | 0.03   | -0.5   | 0.0032 | 0.0002  | 0.0061 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                           | 156.85   | 157.88 | 1.03   | W934579  | 0.03   | -0.5   | 0.0046 | -0.0002 | 0.0049 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                           | 157.88   | 158.81 | 0.93   | W934581  | 0.01   | -0.5   | 0.0019 | -0.0002 | 0.0047 |
| <b>157.88</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>160.48</b> | <b>Kom Msv (carb) ((fuch)) (qvs qcvs)</b> | 158.81   | 159.45 | 0.64   | W934582  | -0.01  | -0.5   | 0.0108 | -0.0002 | 0.0047 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               | 10                                        |          |        |        |          |        |        |        |         |        |
| <p>Medium green grey, fine grained, carbonate altered ultramafic unit. Unaltered equivalent of previous unit. Iron carbonate speckled throughout, oxidized in lower half of unit. Sparse very weak fuchsite. Moderate to minor quartz and quartz-carb veining. Very minor pyrite. Lower contact gradational into strong fuchsite +/-carb alteration. Thicker (2cm) quartz-carb veining at transition.</p> <p>&lt;&lt; Min: 157.88 - 160.48: pyrite 0.5% FG Disseminated &gt;&gt; Minor fine pyrite blebs and disseminations -often oxidized.</p> <p>&lt;&lt; Alt: 157.88 - 160.48: FeCarb moderate Patchy / fuch weak Patchy &gt;&gt; Fine to medium iron carb specks throughout, increasingly oxidized downhole. Very weak fuchsite towards start of interval.</p> <p>&lt;&lt; Vein: 157.88 - 160.48: QCVs 3% MG Irregular/Blebby massive / QVs 1.5% FG Planar massive &gt;&gt; Sub-planar to irregular quartz-carbonate veins often dominated by iron carbonate. Very fine grained chlorite strands within qz-carb veins or more commonly along margins. Finer, fainter quartz veinlets throughout.</p> |               |                                           |          |        |        |          |        |        |        |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                           | 159.45   | 160.48 | 1.03   | W934583  | -0.01  | -0.5   | 0.0029 | -0.0002 | 0.0053 |
| <b>160.48</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>162.10</b> | <b>Carb-Fuch qvs qcvs</b>                 |          |        |        |          |        |        |        |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               | 305                                       |          |        |        |          |        |        |        |         |        |
| <p>Medium green, fine grained, pervasively fuchsite +/- iron carbonate altered unit (same as prior units). Irregular to planar quartz-carbonate and lesser quartz veining. Fuchsite-dominant selvages along quartz-carb veins. Pyrite disseminated throughout. Oxidation increases towards end of interval.</p> <p>Lower contact broken, appears to grade quickly into strong iron carbonate +/- silica alteration.</p> <p>&lt;&lt; Min: 160.48 - 162.1: pyrite 1% FG Disseminated &gt;&gt; Fine to medium subhedral pyrite grains disseminated throughout unit.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                           |          |        |        |          |        |        |        |         |        |

**Hole:** GP-280A-17

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|

<< Alt: 160.48 - 162.1: fuch moderate Pervasive / FeCarb weak to moderate Pervasive >> Fuchsite and lesser iron carbonate pervasively alter unit, resembling previous carb-fuch zones.

<< Vein: 160.48 - 162.1: QVs 1% FG Planar massive / QCVs 4% MG Planar massive >> Sub-planar to irregular, carbonate-dominated quartz-carb veins often with strong, thin, wispy fuchsite +/- (chl) selvage. Mostly oblique or steep TCA (average alpha ~60-80), more irregular near upper and lower contacts.

Cut by thicker clear quartz veins with speckled iron carb along margin. Very shallow TCA (very approximate alpha ~12 degrees)

|        |        |      |         |       |      |        |         |        |
|--------|--------|------|---------|-------|------|--------|---------|--------|
| 160.48 | 161.50 | 1.02 | W934584 | -0.01 | -0.5 | 0.0035 | 0.0004  | 0.0052 |
| 161.50 | 162.10 | 0.60 | W934585 | 0.01  | -0.5 | 0.0054 | -0.0002 | 0.0043 |
| 162.10 | 162.70 | 0.60 | W934586 | 0.88  | -0.5 | 0.0151 | 0.0004  | 0.0042 |
| 162.70 | 163.25 | 0.55 | W934587 | 0.1   | -0.5 | 0.0159 | 0.0002  | 0.0048 |

**162.10 165.09 Carb-(Sil) (fuch) qcvs qvs py 304**

Light to medium tannish brown, fine grained, pervasively iron carbonate + silica altered zone. Protolith unclear, likely ultramafic or mafic extrusive. Fine to course, sub-rounded to sub-angular, fuchsite altered inclusions throughout - xenoliths(?) from adjacent fuchsite altered unit?

Thicker (1-3cm) milky quartz-carbonate veining and finer (~0.5cm) glassy quartz +/-carb veinlets. Minor hematite along select vein margins. Fine to very fine, subhedral to euhedral pyrite grains disseminated throughout; sparsely within veins. Lower contact obscured by quartz/quartz-carbonate veining.

<< Min: 162.1 - 165.09: pyrite 3% FG Disseminated >> Pyrite disseminated throughout unit as very fine cubes and coarser fine to locally medium subhedral grains.

<< Alt: 162.1 - 165.09: FeCarb moderate to strong Pervasive / sil weak to moderate Pervasive / fuch weak to moderate Selective >> Ankerite/iron carbonate pervasive throughout; often stronger near thicker quartz-carb veins. Weakly to moderately silicified. Fuchsite within inclusions or faint patches.

<< Vein: 162.1 - 165.09: QCVs 7% MG Planar massive / QVs 2% FG Planar massive >> Milky quartz with medium to coarse iron carbonate grains throughout vein and margin. Fine clear/glassy quartz veinlets lined with thin carbonate selvage. Trace to very minor hematite along selvages more commonly within second half of interval.

|        |        |      |         |      |      |        |        |        |
|--------|--------|------|---------|------|------|--------|--------|--------|
| 163.25 | 163.67 | 0.42 | W934588 | 0.75 | -0.5 | 0.015  | 0.0004 | 0.0052 |
| 163.67 | 164.28 | 0.61 | W934589 | 0.15 | -0.5 | 0.0092 | 0.0005 | 0.0049 |
| 164.28 | 165.09 | 0.81 | W934591 | 1.56 | 0.5  | 0.0134 | 0.0003 | 0.004  |

**165.09 168.05 Carb-Fuch QCVs QVs 305**

Same fuchsite +/- iron carb altered zone as above (medium apple green, fine grained, pervasive fuchsite/carb alteration). Significant thick (1-3cm) quartz-carbonate and late quartz veining. Minor disseminated pyrite. Sharp lower contact with strong iron carb (ankerite) and silica alteration.

<< Min: 165.09 - 168.05: pyrite 1% FG Disseminated >> Minor subhedral to anhedral pyrite grains, often leave rusty smears on drilled surface.

<< Alt: 165.09 - 168.05: fuch moderate Pervasive / FeCarb weak to moderate Pervasive >> Pervasive fuchsite and iron carbonate (same as 160.48-162.10m).

**Hole: GP-280A-17**

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|

<< Vein: 165.09 - 168.05: QCVs 15% CG massive / QVs 30% MG Planar massive >> Abundant thick veins of sub-planar to irregular carb-dominated quartz-carb with medium to coarse iron carbonate and late (? broken core, relationships often unclear) sub-planar, slightly cloudy quartz with finely speckled carb selvage. Minor thinner (~3mm) quartz and/or quartz-carb veins throughout. Quartz veins often shallow TCA (~10 degrees), qz-carb veins variable but generally steeper (~45-70).

|        |        |      |         |      |      |        |         |        |
|--------|--------|------|---------|------|------|--------|---------|--------|
| 165.09 | 165.80 | 0.71 | W934592 | 0.01 | -0.5 | 0.0056 | -0.0002 | 0.005  |
| 165.80 | 166.42 | 0.62 | W934593 | 0.01 | -0.5 | 0.0034 | -0.0002 | 0.0044 |
| 166.42 | 167.28 | 0.86 | W934594 | 0.01 | -0.5 | 0.0033 | 0.0002  | 0.0054 |
| 167.28 | 167.65 | 0.37 | W934595 | 0.01 | -0.5 | 0.0072 | -0.0002 | 0.0057 |
| 167.65 | 168.05 | 0.40 | W934596 | 0.01 | -0.5 | 0.0035 | -0.0002 | 0.003  |
| 168.05 | 168.38 | 0.33 | W934597 | 0.29 | -0.5 | 0.0085 | 0.0004  | 0.0051 |

**168.05 168.38 Carb-Sil ((fuch)) q(c)vs py 304**

Light to medium tannish brown, fine grained, pervasively iron carbonate + silica altered zone (thin section resembling previous carb-sil unit). Abundant disseminated medium pyrite cubes. Significant quartz +/-carb veining in lower third of interval. Veined and broken lower contact -significant cubed pyrite along broken/fractured surface coated with fuchsite +/-chl.

<< Min: 168.05 - 168.38: pyrite 5% MG Disseminated >> Medium to rare coarse subhedral to euhedral pyrite cubes within altered host rock. More rare, less cubic pyrite within veining.

<< Alt: 168.05 - 168.38: FeCarb moderate to strong Pervasive / sil weak to moderate Pervasive / fuch weak Selective >> Pervasively carbonatized and silicified. Weak fuchsite within wallrock of veining in last 10cm of interval.

<< Vein: 168.05 - 168.38: QCVs 25% MG Irregular/Blebby massive >> Irregular veining concentrated towards end of unit. Dominantly quartz with minor faint iron carb. Sparse fine grained subhedral pyrite within vein.

**168.38 170.67 Carb-Fuch qv qcvs 305**

Same fuchsite-carbonate altered zone with less abundant thick veining (medium apple green, fine grained, fuch +/-carb alteration). Thin strands of wispy fuch +/- chl locally create a very weak fabric. Irregular to planar qz+/-carb veins locally exhibit thin fuch + chl selvage. Minor pyrite within host rock. Lower contact gradational; defined by decrease in significant fuchsite alteration.

<< Min: 168.38 - 170.67: pyrite 0.75% FG Disseminated >> Minor oxidized pyrite blebs/subhedral grains throughout.

<< Alt: 168.38 - 170.67: fuch moderate Pervasive / FeCarb weak to moderate Pervasive >> Moderate pervasively fuchsite; stronger within thin wispy strands/bands. Fine to medium iron carb creates fuzzy to mottled texture. Minor fine fuch+/-chl blebs.

|        |        |      |         |       |      |        |         |        |
|--------|--------|------|---------|-------|------|--------|---------|--------|
| 168.38 | 168.80 | 0.42 | W934598 | 0.01  | -0.5 | 0.0071 | 0.0005  | 0.0074 |
| 168.80 | 169.77 | 0.97 | W934599 | -0.01 | -0.5 | 0.0031 | 0.0002  | 0.0045 |
| 169.77 | 170.67 | 0.90 | W934601 | 0.02  | -0.5 | 0.0038 | -0.0002 | 0.0051 |

Hole: GP-280A-17

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | To (m)        | Rock Type & Description           | From (m) | To (m) | Length    | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------|----------|--------|-----------|----------|--------|--------|--------|--------|--------|
| <p>&lt;&lt; Vein: 168.38 - 170.67: QVs 5% FG Planar massive / QCVs 10% MG Irregular/Blebby massive &gt;&gt; Quartz-carb veins dominated by medium to coarse iron carbonate blebs with minor glassy quartz. Locally with strong, thin, wispy, fuch +/- chl selvages. Shallow (~15 degrees) veins with clear quartz have moderate carbonate within vein and selvage, "QVs"/Vein type 1 used to differentiate from carb-dominated veining. Thin faint qz-carb veinlets oblique TCA (~40 average alpha).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                                   |          |        |           |          |        |        |        |        |        |
| <b>170.67</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>171.23</b> | <b>Kom Msv carb ((fuch)) qcvs</b> |          |        | <b>10</b> |          |        |        |        |        |        |
| <p>Light green to grey, fine grained, slightly fuchsite + carb altered ultramafic unit. Weak fuchsite gradationally decreases downhole. Moderate quartz-carbonate veining. Very minor pyrite. Lower contact sharp into unaltered komatiite.</p> <p>&lt;&lt; Min: 170.67 - 171.23: pyrite 0.4% FG Disseminated &gt;&gt; Very minor fine to very fine grained pyrite disseminations.</p> <p>&lt;&lt; Alt: 170.67 - 171.23: fuch weak Patchy / FeCarb moderate Patchy &gt;&gt; Fuchsite and iron carbonate decreases gradationally downhole.</p> <p>&lt;&lt; Vein: 170.67 - 171.23: QCVs 4% FG Planar massive &gt;&gt; Sub-planar to irregular veinlets with clear quartz and finely speckled carbonate.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                   |          |        |           |          |        |        |        |        |        |
| 170.67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 171.23        |                                   | 170.67   | 171.23 | 0.56      | W934602  | 0.03   | -0.5   | 0.0007 | 0.0002 | 0.0068 |
| <b>171.23</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>199.71</b> | <b>Kom Msv carb cvs</b>           |          |        | <b>10</b> |          |        |        |        |        |        |
| <p>Medium to dark grey, fine to medium grained, massive to locally foliated komatiite. Medium to coarse iron carbonate creates mottled texture throughout unit. Weakly serp +/- talc altered. Patchy weak to moderate magnetism. Abundant carbonate veining, rare quartz +/- carb veins. Minor fine pyrite within wall rock, rare in select veins. Several intermediate (dioritic to monzonitic?) dykes.</p> <p>Lower contact gradational, defined by subtle but noticeable change in alteration (increase in serpentine and magnetism and decrease in carbonate).</p> <p>&lt;&lt; Min: 171.23 - 199.71: pyrite 0.2% FG Disseminated &gt;&gt; Minor fine to very fine grained pyrite disseminated within host rock; trace within several carb-dominant veins.</p> <p>&lt;&lt; Alt: 171.23 - 199.71: FeCarb moderate Patchy / mag weak to moderate Patchy / serp weak Patchy / tal weak Pervasive &gt;&gt; Fine to medium iron carbonate blebs create speckled texture. Weak talc pervasive throughout. Weak talc +/- serp pervasive throughout with small sections of slightly stronger serpentinization.</p> <p>&lt;&lt; Vein: 171.23 - 176.92: CVs 4% FG Irregular/Blebby massive / QCVs 3% MG massive &gt;&gt; 2 thick quartz-carb veins with clear to white quartz with medium to coarse, anhedral to subhedral iron carbonate. Sub-planar to irregular carb veinlets throughout.</p> <p>&lt;&lt; Vein: 176.92 - 199.71: CVs 4% FG Irregular/Blebby massive / QCVs 2% MG Planar massive &gt;&gt; Irregular to sub-planar carb veining with abundant hairline veinlets/infilled fractures. Sections of moderate quartz-dominated quartz-carb veining.</p> |               |                                   |          |        |           |          |        |        |        |        |        |
| 171.23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 172.21        |                                   | 171.23   | 172.21 | 0.98      | W934603  | 0.01   | -0.5   | 0.0105 | 0.0002 | 0.0059 |

Hole: GP-280A-17

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct  | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|---------|--------|
|          |        |                         | 172.21   | 172.82 | 0.61   | W934604  | 0.01   | -0.5   | 0.0049 | -0.0002 | 0.0056 |
|          |        |                         | 176.51   | 176.92 | 0.41   | W934605  | 0.02   | -0.5   | 0.0022 | -0.0002 | 0.0049 |
|          |        |                         | 179.50   | 180.10 | 0.60   | W934606  | -0.01  | -0.5   | 0.0062 | -0.0002 | 0.0068 |
|          |        |                         | 181.96   | 182.92 | 0.96   | W934607  | 0.01   | -0.5   | 0.0032 | -0.0002 | 0.006  |
|          |        |                         | 185.28   | 186.10 | 0.82   | W934608  | -0.01  | -0.5   | 0.0045 | -0.0002 | 0.0065 |
|          |        |                         | 186.10   | 187.26 | 1.16   | W934609  | -0.01  | -0.5   | 0.0051 | -0.0002 | 0.0076 |
|          |        |                         | 187.26   | 187.56 | 0.30   | W934611  | 0.01   | -0.5   | 0.0218 | 0.0015  | 0.0058 |
|          |        |                         | 187.56   | 188.50 | 0.94   | W934612  | -0.01  | -0.5   | 0.0045 | 0.0004  | 0.0074 |
|          |        |                         | 188.50   | 189.37 | 0.87   | W934613  | -0.01  | -0.5   | 0.0054 | -0.0002 | 0.0061 |
|          |        |                         | 189.37   | 189.79 | 0.42   | W934614  | -0.01  | -0.5   | 0.0026 | 0.0034  | 0.0067 |
|          |        |                         | 192.57   | 193.30 | 0.73   | W934615  | -0.01  | -0.5   | 0.0035 | -0.0002 | 0.006  |
|          |        |                         | 204.89   | 205.55 | 0.66   | W934616  | -0.01  | -0.5   | 0.0049 | 0.0004  | 0.0055 |

**199.71 207.45 Kom Msv mag (serp) cvs 10**

Dark grey, fine to very fine grained, moderately to locally strongly magnetic, massive to weakly foliated komatiite. Similar to previous unit, with slightly increased disseminated pyrite and serpentine (pervasive and within select fractures and selvages) and decreased, finer iron carbonate. Veining dominated by carbonate with minor quartz. Sharp, broken lower contact (quoted at 70 degrees in historic log).

<< Min: 199.71 - 207.45: pyrite 0.5% FG Disseminated >> Fine to very fine subhedral disseminated pyrite grains.

<< Alt: 199.71 - 207.45: FeCarb weak to moderate Patchy / mag moderate to strong Patchy / serp weak to moderate Pervasive / tal weak Pervasive >> Fine to very fine speckled iron carbonate. Weakly to moderately serpentinized throughout unit. Moderately magnetic with stronger patches often in less carbonatized sections.

<< Vein: 199.71 - 207.45: CVs 3.5% FG Irregular/Blebby massive / QCVs 1% FG Irregular/Blebby massive >> Calcite +/- iron carbonate veins, commonly with serpentine selvages. Occasionally slightly vuggy. Rare white quartz with carb.

**207.45 210.82 (Contam) monzodio (bio) py 161**

Dark purplish grey, fine grained, massive, biotitic, contaminated syenodiorite. Weak iron carbonate and magnetism. Minor, locally pink carb veinlets/infilled fractures increase towards end of interval. Moderate disseminated pyrite throughout. Sharp, sub-planar, dark chlorite-enriched lower contact.

<< Min: 207.45 - 210.82: pyrite 3% MG Disseminated >> Fine to medium, sub-rounded to cubic pyrite.

<< Alt: 207.45 - 210.82: mag weak to moderate Patchy / FeCarb weak Patchy >> Weak fine grained iron carbonate; slightly stronger near upper contact. Biotite likely primary (? no convincing evidence of replacement).

**Hole: GP-280A-17**

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | To (m)        | Rock Type & Description                                                                                                                                                                                                                                                                                                                                                                  | From (m) | To (m) | Length     | Sample # | Au ppm | Ag ppm | Cu pct  | Pb pct | Zn pct |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|------------|----------|--------|--------|---------|--------|--------|
| << Vein: 207.45 - 210.82: CVs 1% FG Irregular/Blebby massive >> Carbonate occasionally light pink in select veinlets and fractures.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                                                                                                                                                                                                                                                                                                                                                                          |          |        |            |          |        |        |         |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 207.45        |                                                                                                                                                                                                                                                                                                                                                                                          | 208.57   | 1.12   | W934617    | 0.01     | 1.2    | 0.0174 | 0.0157  | 0.0085 |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 208.57        |                                                                                                                                                                                                                                                                                                                                                                                          | 209.69   | 1.12   | W934618    | 0.01     | -0.5   | 0.0554 | 0.0054  | 0.0083 |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 209.69        |                                                                                                                                                                                                                                                                                                                                                                                          | 210.82   | 1.13   | W934619    | 0.01     | -0.5   | 0.0557 | 0.0035  | 0.0072 |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 210.82        |                                                                                                                                                                                                                                                                                                                                                                                          | 211.39   | 0.57   | W934621    | 0.01     | -0.5   | 0.0096 | 0.0003  | 0.0077 |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 214.49        |                                                                                                                                                                                                                                                                                                                                                                                          | 215.44   | 0.95   | W934622    | -0.01    | -0.5   | 0.0065 | 0.0015  | 0.0062 |        |
| <b>210.82</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>234.87</b> | <b>Kom Msv mag (serp) cvs</b>                                                                                                                                                                                                                                                                                                                                                            |          |        | <b>10</b>  |          |        |        |         |        |        |
| Same unit as prior to intrusive SD (dark grey, fine to very fine grained, moderately to locally strongly magnetic, weakly to locally moderately serpentine and iron carbonate altered, massive komatiite). Veining dominated by carbonate (calcite and ankerite) with serpentine filling fractures or selvages. Minor pyrite, commonly disseminated or more rarely within thin bands.<br>Sharp lower contact into intermediate-mafic intrusive.                                                                                                                                                                     |               |                                                                                                                                                                                                                                                                                                                                                                                          |          |        |            |          |        |        |         |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 215.44        | << Min: 210.82 - 234.87: pyrite 1% FG Disseminated >> Fine subhedral pyrite grains disseminated throughout. Coarser grains/ blebs within rare discontinuous bands.                                                                                                                                                                                                                       | 215.86   | 0.42   | W934623    | -0.01    | -0.5   | 0.0041 | 0.0002  | 0.0059 |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 215.86        | << Alt: 210.82 - 234.87: FeCarb weak to moderate Patchy / mag moderate to strong Patchy / serp weak to moderate Pervasive / tal weak Pervasive / bio weak Patchy >> Weak to moderate iron carbonate. Magnetism stronger within finer, darker sections (often less carbonatized). Localized sections of stronger serpentinization. Rare biotite enriched zones. Very weak pervasive talc. | 217.00   | 1.14   | W934624    | -0.01    | -0.5   | 0.0031 | -0.0002 | 0.0063 |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 217.00        | << Vein: 210.82 - 215.86: CVs 10% FG Irregular/Blebby massive / QCVs 0.75% FG Planar massive >> Abundant carb (calcite +/- iron carb) and serpentine veinlets/infilled fractures. Sub-planar to irregular. Oblique to shallow TCA (alpha ranges from ~10-55 degrees). Very minor quartz-carb veins.                                                                                      | 217.72   | 0.72   | W934625    | -0.01    | -0.5   | 0.0085 | 0.0005  | 0.0069 |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 227.24        | << Vein: 215.86 - 234.87: CVs 4% FG Irregular/Blebby massive >> Iron carbonate +/- calc veining often with serpentinized selvages. Occasionally weathered or vuggy.                                                                                                                                                                                                                      | 228.08   | 0.84   | W934626    | -0.01    | -0.5   | 0.0065 | -0.0002 | 0.0058 |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 228.08        |                                                                                                                                                                                                                                                                                                                                                                                          | 228.87   | 0.79   | W934627    | -0.01    | -0.5   | 0.004  | 0.0017  | 0.0065 |        |
| <b>234.87</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>241.25</b> | <b>Maf Dykes CaCarb + Kom (mag serp)</b>                                                                                                                                                                                                                                                                                                                                                 |          |        | <b>100</b> |          |        |        |         |        |        |
| Dark grey to black, fine grained, massive mafic (-intermediate?) intrusive with section of massive, weakly magnetic and serpentine altered ultramafic (same as prior kom unit) at 237.2-239.76m.<br>Moderate pervasive calcite throughout intrusive units. Weakly magnetic, minor biotite (primary?). Thin carbonate veinlets throughout. Minor pyrite.<br>Lower contact weakly brecciated by light pink, effervescent carbonate veinlets.<br><< Min: 234.87 - 237.2: pyrite 0.8% FG Disseminated >> Fine subhedral pyrite grains disseminated throughout. Increases slightly towards lower contact with komatiite. |               |                                                                                                                                                                                                                                                                                                                                                                                          |          |        |            |          |        |        |         |        |        |



**Hole: GP-280A-17**

| From (m)                                                                                                                                                                                                                                | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| <p>&lt;&lt; Min: 237.2 - 239.76: pyrite 1% FG Disseminated &gt;&gt; Pyrite mainly as fine disseminations; rarely align to form discontinuous bands.</p>                                                                                 |        |                         |          |        |        |          |        |        |        |        |        |
| <p>&lt;&lt; Min: 239.76 - 241.25: pyrite 1.1% FG Disseminated &gt;&gt; Fine subhedral pyrite disseminated throughout. More concentrated, euhedral cubes along fractures.</p>                                                            |        |                         |          |        |        |          |        |        |        |        |        |
| <p>&lt;&lt; Alt: 234.87 - 237.2: CaCarb moderate Pervasive / mag weak Patchy / bio weak Selective &gt;&gt; Moderate to locally strongly carbonaceous. Very weakly magnetic. Contacts enriched with very fine grained biotite?</p>       |        |                         |          |        |        |          |        |        |        |        |        |
| <p>&lt;&lt; Alt: 237.2 - 239.76: mag moderate to strong Patchy / serp weak to moderate Patchy / FeCarb weak Patchy / CaCarb weak Patchy &gt;&gt; Weak, patchy carb (fecarb +/-calc). Slightly harder than adjacent komatiite units.</p> |        |                         |          |        |        |          |        |        |        |        |        |
| <p>&lt;&lt; Alt: 239.76 - 241.25: CaCarb moderate Pervasive / mag weak Patchy / bio weak Selective &gt;&gt; Same as 234.87-237.20m.</p>                                                                                                 |        |                         |          |        |        |          |        |        |        |        |        |
| <p>&lt;&lt; Vein: 234.87 - 237.2: CVs 2% FG Planar massive &gt;&gt; Strongly reactive carb veinlets often light pink near contacts with komatiite. Oblique TCA (average alpha ~50 degrees).</p>                                         |        |                         |          |        |        |          |        |        |        |        |        |
| <p>&lt;&lt; Vein: 237.2 - 239.76: CVs 1.5% FG Planar massive &gt;&gt; Thin, sub-planar calcite +/- fecarb veinlets.</p>                                                                                                                 |        |                         |          |        |        |          |        |        |        |        |        |
| <p>&lt;&lt; Vein: 239.76 - 241.25: CVs 1% FG Planar massive &gt;&gt; Similar to 234.87-237.20m. Fragments host rock into thin, elongate, sub-angular, aligned fragments at lower contact.</p>                                           |        |                         |          |        |        |          |        |        |        |        |        |
| 236.38                                                                                                                                                                                                                                  | 237.20 |                         | 236.38   | 237.20 | 0.82   | W934628  | -0.01  | 0.6    | 0.0013 | 0.0083 | 0.0073 |
| 237.20                                                                                                                                                                                                                                  | 238.43 |                         | 237.20   | 238.43 | 1.23   | W934629  | -0.01  | -0.5   | 0.0055 | 0.0004 | 0.0064 |
| 238.43                                                                                                                                                                                                                                  | 239.76 |                         | 238.43   | 239.76 | 1.33   | W934631  | -0.01  | -0.5   | 0.0058 | 0.0004 | 0.0061 |
| 239.76                                                                                                                                                                                                                                  | 241.25 |                         | 239.76   | 241.25 | 1.49   | W934632  | 0.01   | -0.5   | 0.0028 | 0.0014 | 0.0073 |
| 249.71                                                                                                                                                                                                                                  | 250.17 |                         | 249.71   | 250.17 | 0.46   | W934633  | -0.01  | -0.5   | 0.0037 | 0.0006 | 0.0076 |

**241.25 253.70 Kom Msv mag (serp) cvs 10**

Similar to above komatiite units. Dark grey, fine to very fine grained, moderately to locally strongly magnetic, serpentine +/- iron carb altered, massive to weakly foliated komatiite. Calcite-rich zone with black biotite bands and selvages and minor earthy hematite at 29.71-250.17m (altered dyke?). Abundant carb veining, minor pyrite.  
EOH @ 253.7m.

<< Min: 241.25 - 249.71: pyrite 0.5% FG Disseminated >> Fine to medium pyrite grains decrease slightly downhole.

<< Min: 249.71 - 250.17: hematite 0.75% FG Wispy / pyrite 0.3% FG Disseminated >> Faint fine grained earthy hem forms wispy bands, especially towards beginning of interval. Minor fine to medium pyrite cubes.

<< Min: 250.17 - 253.7: pyrite 0.2% FG Disseminated >> Minor fine to very fine pyrite grains.

<< Alt: 241.25 - 249.71: mag moderate to strong Pervasive / serp weak to moderate Patchy / FeCarb weak to moderate Patchy / tal weak Patchy >> Pervasively moderately magnetic with occasional stronger sections. Weak to moderate serpentine (within fractures and slightly altering host) +/- very weak talc. Slightly carbonatized.

**Hole: GP-280A-17**

| From (m)      | To (m)     | Rock Type & Description                                                                                                                                                                                                                                          | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|---------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|               |            | << Alt: 249.71 - 250.17: CaCarb strong Pervasive / bio moderate Banded / mag moderate to strong Patchy >> Mottled white carbonaceous zone (strongly effervescent). Biotite within selvages and as 1-8mm, sub-rounded grains (+/-mt?) coalesced into 1-2cm bands. |          |        |        |          |        |        |        |        |        |
|               |            | << Alt: 250.17 - 253.7: mag moderate to strong Pervasive / serp weak to moderate Patchy / FeCarb weak to moderate Patchy / tal weak Patchy >> Same as 214.25-249.71m. Becomes slightly less serpentinized downhole.                                              |          |        |        |          |        |        |        |        |        |
|               |            | << Vein: 241.25 - 253.7: CVs 6% >> Moderate sub-planar to irregular calcite + fecarb veining, often with serpentinized selvages. Very approximate alpha around 60 degrees. Slightly decreases towards end of hole.                                               |          |        |        |          |        |        |        |        |        |
| <b>253.70</b> | <b>EOH</b> |                                                                                                                                                                                                                                                                  |          |        |        | <b>0</b> |        |        |        |        |        |

**End of Hole @ 253.7**

**Project:** Golden Perimeter

**Hole:** GP-280A-19

|                             |             |                     |             |                          |                          |
|-----------------------------|-------------|---------------------|-------------|--------------------------|--------------------------|
| <b>Prospect:</b>            | GP          | <b>Survey Type:</b> | Kim Hatcher | <b>Hole Type:</b>        | DD                       |
| <b>Datum:</b>               | NAD83       | <b>Survey By:</b>   |             | <b>Core Size:</b>        | BQ                       |
| <b>Vertical Datum:</b>      |             | <b>Azimuth:</b>     | 35          | <b>Date Started:</b>     |                          |
| <b>Zone:</b>                | 17N         | <b>Dip:</b>         | -45         | <b>Date Completed:</b>   |                          |
| <b>UTM East:</b>            | 504090.625  | <b>Length (m):</b>  | 300.23      | <b>Drill Company:</b>    | Norex                    |
| <b>UTM North:</b>           | 5349546.825 | <b>Comments:</b>    |             | <b>Casing Pulled?:</b>   | <input type="checkbox"/> |
| <b>UTM Elevation (m):</b>   | 297.56177   |                     |             | <b>Casing Depth (m):</b> | 17.06                    |
| <b>Local Grid:</b>          | ODHD_NAD83  |                     |             | <b>H Core Depth (m):</b> |                          |
| <b>Local East:</b>          | 504071      |                     |             | <b>N Core Depth (m):</b> |                          |
| <b>Local North:</b>         | 5349437     |                     |             | <b>B Core Depth (m):</b> | 300.23                   |
| <b>Local Elevation (m):</b> | 297.17587   |                     |             |                          |                          |

| Depth (m) | Survey Method | Survey By | Date Surveyed | Dip   | Azimuth | Mag. Field | Accept Values?                      | Comments |
|-----------|---------------|-----------|---------------|-------|---------|------------|-------------------------------------|----------|
| 0         | Unknown       |           |               | -45   | 35      |            | <input checked="" type="checkbox"/> |          |
| 100       | Unknown       |           |               | -47.8 | 35      |            | <input checked="" type="checkbox"/> |          |
| 200       | Unknown       |           |               | -44.8 | 35      |            | <input checked="" type="checkbox"/> |          |
| 300.23    | Unknown       |           |               | -44.8 | 35      |            | <input checked="" type="checkbox"/> |          |

Hole: GP-280A-19

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct  | Zn pct |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|---------|--------|
| 0.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 17.06  | Casing                  |          |        |        |          |        |        |        |         |        |
| 17.06                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 51.60  | Kom Msv                 |          |        |        |          |        |        |        |         |        |
| 51.60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 54.25  | Monzdio                 |          |        |        |          |        |        |        |         |        |
| 54.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 67.95  | Kom Msv                 |          |        |        |          |        |        |        |         |        |
| 67.95                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 91.34  | Monz                    |          |        |        |          |        |        |        |         |        |
| 91.34                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 94.83  | Kom Msv                 |          |        |        |          |        |        |        |         |        |
| 94.83                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 156.80 | Monz                    |          |        |        |          |        |        |        |         |        |
| 156.80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 159.80 | Kom Msv                 |          |        |        |          |        |        |        |         |        |
| 159.80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 178.17 | Kom Msv talc (bx)       | 159.80   | 160.50 | 0.70   | W933501  | 0.01   | -0.5   | 0.0047 | 0.0004  | 0.0075 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |                         | 160.50   | 161.13 | 0.63   | W933502  | -0.01  | -0.5   | 0.0046 | 0.0004  | 0.0052 |
| <p>Dark grey, fine grained, weakly foliated to brecciated, weakly pervasively talc altered, very weakly magnetic, ultramafic unit (komatiite). Monomictic, sub-angular komatiite clasts brecciated by abundant carbonate veinlets. Sub-rounded, fine-grained carbonate and lesser medium-grained talc speckled throughout; often slightly pitted. Trace very fine grained disseminated pyrite. Moderately weathered and weakly oxidized (exaggerated on surface of core). Thin (&lt;25cm) monzonite dyke(s) within historically sampled sections at ~163.36-64.00m (spilled box, pieces arranged according to historic log; true depth not confident therefore not featurized). Minor faulting at 165.9-167.7m; more competent towards sharp lower contact with monzonite.</p> <p>&lt;&lt; Min: 159.8 - 178.17: pyrite 0.05% VFG Disseminated &gt;&gt; Pyrite likely weathered out (remnant oxidized pits/reference to historic log); trace visible on freshly broken surfaces.</p> <p>&lt;&lt; Alt: 159.8 - 178.17: tal moderate Pervasive / mag weak Patchy &gt;&gt; Weak pervasive talc alteration throughout ultramafic component of unit (very soft).</p> <p>&lt;&lt; Vein: 159.8 - 178.17: CVs 15% FG Irregular/Blebby massive / QCVs 1% FG Planar massive &gt;&gt; Veining dominated by thin 0.5-3mm, irregular to chaotic carbonate (ankerite) veinlets with minor 0.3-0.7cm sub-planar blebby quartz-carb veinlets.</p> |        |                         | 161.13   | 161.74 | 0.61   | W933503  | -0.01  | -0.5   | 0.0016 | -0.0002 | 0.0053 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |                         | 161.74   | 162.90 | 1.16   | W933504  | 0.01   | -0.5   | 0.0048 | 0.0005  | 0.0066 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |                         | 162.90   | 163.36 | 0.46   | W933505  | -0.01  | -0.5   | 0.0045 | 0.0006  | 0.007  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |                         | 163.36   | 164.00 | 0.64   | W933506  | 0.01   | -0.5   | 0.0059 | 0.003   | 0.0071 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |                         | 164.00   | 164.74 | 0.74   | W933507  | -0.01  | -0.5   | 0.0077 | 0.0009  | 0.008  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |                         | 164.74   | 165.50 | 0.76   | W933508  | 0.01   | -0.5   | 0.0049 | 0.0007  | 0.0063 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |                         | 165.50   | 165.90 | 0.40   | W933509  | -0.01  | -0.5   | 0.0006 | 0.0006  | 0.0058 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |                         | 165.90   | 166.80 | 0.90   | W933511  | -0.01  | -0.5   | 0.0031 | -0.0002 | 0.0059 |

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| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct  | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|---------|--------|
|          |        |                         | 166.80   | 168.30 | 1.50   | W933512  | -0.01  | -0.5   | 0.0035 | 0.0003  | 0.0057 |
|          |        |                         | 168.30   | 169.40 | 1.10   | W933513  | -0.01  | -0.5   | 0.003  | 0.0002  | 0.0054 |
|          |        |                         | 169.40   | 169.90 | 0.50   | W933514  | -0.01  | -0.5   | 0.0014 | -0.0002 | 0.0052 |
|          |        |                         | 169.90   | 171.20 | 1.30   | W933515  | -0.01  | -0.5   | 0.0018 | 0.0002  | 0.0052 |
|          |        |                         | 177.20   | 178.17 | 0.97   | W933516  | 0.02   | -0.5   | 0.0028 | -0.0002 | 0.0089 |

**178.17 233.64 Monz ksp carb q(c)vs py 106**

Light to medium pink and grey, fine to medium grained, weakly magnetic, variably kspar (K metasomatized), carbonate (often ankerite) and sericite altered monzonite. 1-3mm subhedral to anhedral feldspar phenos with interstitial fine to very grained mafics (hbl/px). Veining dominantly thin carbonate veinlets, planar thin quartz veins, and thicker quartz +/- carb veins, with occasional pink feldspar veins or bands. Fine grained pyrite in select veins/fractures and finely disseminated throughout. Fine hairline fractures often filled with carbonate or chlorite +/- pyrite, occasionally with specular hematite. Sparse sub-rounded mafic xenoliths. Lower contact gradational into more strongly K metasomatized section of monzonite defined by historic log.

<< Min: 178.17 - 182.6: pyrite 1.5% FG Disseminated / hematite 0.1% FG Fracture-coating >> Py dominantly finely disseminated; also on fractures and in select QCV selvages. Trace specular hematite on select fractures.

<< Min: 182.6 - 216.1: pyrite 1% FG Disseminated / hematite 0.8% FG Fracture-coating >> Pyrite in select vein selvages and fractures or disseminated throughout. Specular hematite filling fractures + trace disseminations.

<< Min: 216.1 - 223: pyrite 2% FG Disseminated / hematite 1% FG Fracture-coating >> Pyrite as fine grained disseminations or on select fractures. Specular hematite as fracture infill or trace blebs.

<< Min: 223 - 233.64: pyrite 1.5% FG Disseminated / hematite 0.5% FG Blebby >> Pyrite mainly disseminated, more rare in vein selvages. Minor specular hematite blebs/fracture fill. Historic log notes molybdenite bleb at 231.3-232.22m, though not seen in core (potentially due to core loss?).

<< Alt: 178.17 - 182.6: ksp moderate Selective / FeCarb moderate Pervasive / ser moderate Selective / mag weak Patchy / chl weak Selective >> Notable carb/ankerite alteration (particularly interstitial). K metasomatism of feldspar grains, locally in bands/veins. Interstitial sericite, sporadically very weakly magnetic. Dark chl on select fractures and vein selvages.

<< Alt: 182.6 - 216.1: ksp weak to moderate Patchy / FeCarb weak to moderate Patchy / ser weak to moderate Patchy / chl weak Selective / mag weak Patchy >> ~1-2m sections of stronger K metasomatism and carbonate alteration. Increased sericite in select vein halos and selvages. Occasional ~1cm sericite +/- chl blebs at 194.3-196.5m. Chlorite within select fractures and occasional vein selvages. Patchy weak magnetism in less altered sections (interstitial and small mafic xenoliths).

<< Alt: 216.1 - 223: ksp moderate Selective / FeCarb moderate Pervasive / ser weak to moderate Selective / chl weak Selective >> Strongly to intensely K metasomatized fspar phenos with carbonate, sericite, and/or chlorite altered matrix. Locally bleached. Chl and carb within select vein selvages and fractures.

Hole: GP-280A-19

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| <p>&lt;&lt; Alt: 223 - 233.64: ksp weak to moderate Selective / FeCarb weak to moderate Selective / ser weak Selective / chl weak Selective &gt;&gt; Moderate carbonatization and K metasomatism throughout. Several irregular bands of stronger, more destructive dark pink kspar alteration. Chlorite minor within matrix or select selvages.</p>                                                     |        |                         |          |        |        |          |        |        |        |        |        |
| <p>&lt;&lt; Vein: 178.17 - 190.2: QCVs 2% FG Planar massive / QVs 2% FG Planar massive / CVs 3% FG Planar massive &gt;&gt; Quartz-dominated QCVs are clear to milky white with minor carbonate. Often lined with thin, very fine grained, grey selvage -likely chlorite/possibly sulphide? Thinner, planar, clear quartz veins occasionally contain kspar. Very thin carbonate veinlets throughout.</p> |        |                         |          |        |        |          |        |        |        |        |        |
| <p>&lt;&lt; Vein: 190.2 - 194.6: CVs 5% FG Planar massive / QCVs 0.5% FG Planar massive / QVs 0.5% FG Planar massive &gt;&gt; Decreased significant thick quartz-carb veining. Abundant thin carb veinlets/fracture fill (average alpha ~30-40).</p>                                                                                                                                                    |        |                         |          |        |        |          |        |        |        |        |        |
| <p>&lt;&lt; Vein: 194.6 - 216.1: QCVs 1% MG Planar massive / QVs 2.5% FG Planar massive / CVs 3% FG Planar &gt;&gt; Occasional pink feldspar in thin bands or within quartz veins. Milky white quartz or quartz-dominated QCVs (average thickness, see point features) often with carbonate, sericite, chlorite or pyrite selvages. Carbonate filled hairline fractures throughout.</p>                 |        |                         |          |        |        |          |        |        |        |        |        |
| <p>&lt;&lt; Vein: 216.1 - 233.64: QCVs 1.5% Irregular/Blebbly / QVs 1.5% Planar / CVs 4% FG Planar &gt;&gt; Clear to cloudy quartz and quartz-carbonate veins (average thickness, see point features) often with carbonate and/or sericite selvages. Kspar within select quartz veins. Thin carbonate veinlets throughout.</p>                                                                          |        |                         |          |        |        |          |        |        |        |        |        |
| 178.17                                                                                                                                                                                                                                                                                                                                                                                                  | 179.50 | 1.33                    | W933517  | 0.03   | -0.5   | 0.0066   | 0.0061 | 0.0057 |        |        |        |
| 179.50                                                                                                                                                                                                                                                                                                                                                                                                  | 180.18 | 0.68                    | W933518  | 0.16   | 0.8    | 0.003    | 0.0012 | 0.0045 |        |        |        |
| 180.18                                                                                                                                                                                                                                                                                                                                                                                                  | 181.50 | 1.32                    | W933519  | 0.14   | -0.5   | 0.0025   | 0.0017 | 0.0049 |        |        |        |
| 181.50                                                                                                                                                                                                                                                                                                                                                                                                  | 182.55 | 1.05                    | W933521  | 0.59   | -0.5   | 0.0014   | 0.0018 | 0.0048 |        |        |        |
| 182.55                                                                                                                                                                                                                                                                                                                                                                                                  | 183.40 | 0.85                    | W933522  | 0.01   | -0.5   | 0.0034   | 0.0036 | 0.0065 |        |        |        |
| 183.40                                                                                                                                                                                                                                                                                                                                                                                                  | 183.96 | 0.56                    | W933523  | -0.01  | -0.5   | 0.0026   | 0.0031 | 0.0067 |        |        |        |
| 183.96                                                                                                                                                                                                                                                                                                                                                                                                  | 184.80 | 0.84                    | W933524  | 0.01   | -0.5   | 0.0024   | 0.0017 | 0.0058 |        |        |        |
| 184.80                                                                                                                                                                                                                                                                                                                                                                                                  | 185.59 | 0.79                    | W933525  | 0.05   | 1.9    | 0.0015   | 0.0099 | 0.0038 |        |        |        |
| 185.59                                                                                                                                                                                                                                                                                                                                                                                                  | 186.67 | 1.08                    | W933526  | 0.01   | -0.5   | 0.0044   | 0.0018 | 0.0072 |        |        |        |
| 186.67                                                                                                                                                                                                                                                                                                                                                                                                  | 187.70 | 1.03                    | W933527  | -0.01  | -0.5   | 0.0045   | 0.0078 | 0.0079 |        |        |        |
| 187.70                                                                                                                                                                                                                                                                                                                                                                                                  | 189.19 | 1.49                    | W933528  | -0.01  | -0.5   | 0.0029   | 0.0084 | 0.0074 |        |        |        |
| 189.19                                                                                                                                                                                                                                                                                                                                                                                                  | 189.80 | 0.61                    | W933529  | 0.02   | -0.5   | 0.0031   | 0.0023 | 0.0062 |        |        |        |
| 189.80                                                                                                                                                                                                                                                                                                                                                                                                  | 190.21 | 0.41                    | W933531  | 0.06   | -0.5   | 0.0028   | 0.0033 | 0.0046 |        |        |        |
| 190.21                                                                                                                                                                                                                                                                                                                                                                                                  | 191.00 | 0.79                    | W933532  | -0.01  | -0.5   | 0.0046   | 0.0157 | 0.007  |        |        |        |
| 191.00                                                                                                                                                                                                                                                                                                                                                                                                  | 191.50 | 0.50                    | W933533  | -0.01  | -0.5   | 0.0041   | 0.0128 | 0.007  |        |        |        |

Hole: GP-280A-19

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| 191.50   | 192.43 |                         | 191.50   | 192.43 | 0.93   | W933534  | -0.01  | -0.5   | 0.0038 | 0.0129 | 0.0071 |
| 192.43   | 193.63 |                         | 192.43   | 193.63 | 1.20   | W933535  | 0.01   | -0.5   | 0.0023 | 0.0033 | 0.0056 |
| 193.63   | 194.64 |                         | 193.63   | 194.64 | 1.01   | W933536  | 0.03   | -0.5   | 0.0023 | 0.0021 | 0.0056 |
| 194.64   | 196.04 |                         | 194.64   | 196.04 | 1.40   | W933537  | 0.06   | -0.5   | 0.0028 | 0.0017 | 0.0053 |
| 196.04   | 197.21 |                         | 196.04   | 197.21 | 1.17   | W933538  | 0.08   | -0.5   | 0.0024 | 0.0503 | 0.0058 |
| 197.21   | 198.10 |                         | 197.21   | 198.10 | 0.89   | W933539  | -0.01  | -0.5   | 0.0021 | 0.0084 | 0.0064 |
| 198.10   | 198.86 |                         | 198.10   | 198.86 | 0.76   | W933541  | 0.15   | -0.5   | 0.0039 | 0.002  | 0.0047 |
| 198.86   | 199.50 |                         | 198.86   | 199.50 | 0.64   | W933542  | -0.01  | -0.5   | 0.0025 | 0.004  | 0.0067 |
| 199.50   | 200.44 |                         | 199.50   | 200.44 | 0.94   | W933543  | -0.01  | -0.5   | 0.0027 | 0.0044 | 0.0067 |
| 200.44   | 201.54 |                         | 200.44   | 201.54 | 1.10   | W933544  | 0.04   | -0.5   | 0.0052 | 0.0029 | 0.0052 |
| 201.54   | 202.70 |                         | 201.54   | 202.70 | 1.16   | W933545  | 0.01   | -0.5   | 0.0017 | 0.0015 | 0.0045 |
| 202.70   | 203.22 |                         | 202.70   | 203.22 | 0.52   | W933546  | 0.01   | -0.5   | 0.0041 | 0.0023 | 0.0049 |
| 203.22   | 204.45 |                         | 203.22   | 204.45 | 1.23   | W933547  | 0.01   | -0.5   | 0.0024 | 0.0038 | 0.0065 |
| 204.45   | 204.90 |                         | 204.45   | 204.90 | 0.45   | W933548  | 0.05   | -0.5   | 0.0015 | 0.0011 | 0.0058 |
| 204.90   | 205.52 |                         | 204.90   | 205.52 | 0.62   | W933549  | 0.09   | -0.5   | 0.0005 | 0.0014 | 0.0044 |
| 205.52   | 206.35 |                         | 205.52   | 206.35 | 0.83   | W933551  | -0.01  | -0.5   | 0.0049 | 0.003  | 0.0071 |
| 206.35   | 207.30 |                         | 206.35   | 207.30 | 0.95   | W933552  | 0.02   | -0.5   | 0.0033 | 0.0022 | 0.0071 |
| 207.30   | 207.70 |                         | 207.30   | 207.70 | 0.40   | W933553  | 0.02   | -0.5   | 0.0013 | 0.0013 | 0.0034 |
| 207.70   | 208.60 |                         | 207.70   | 208.60 | 0.90   | W933554  | 0.03   | -0.5   | 0.0024 | 0.0186 | 0.0062 |
| 208.60   | 209.20 |                         | 208.60   | 209.20 | 0.60   | W933555  | 0.06   | -0.5   | 0.0018 | 0.0028 | 0.005  |
| 209.20   | 209.60 |                         | 209.20   | 209.60 | 0.40   | W933556  | 0.18   | -0.5   | 0.0061 | 0.0037 | 0.0045 |
| 209.60   | 210.03 |                         | 209.60   | 210.03 | 0.43   | W933557  | 0.01   | -0.5   | 0.0028 | 0.0026 | 0.006  |
| 210.03   | 210.75 |                         | 210.03   | 210.75 | 0.72   | W933558  | 0.14   | -0.5   | 0.0021 | 0.0031 | 0.0051 |
| 210.75   | 211.18 |                         | 210.75   | 211.18 | 0.43   | W933559  | 0.03   | -0.5   | 0.0029 | 0.0025 | 0.0062 |
| 211.18   | 211.62 |                         | 211.18   | 211.62 | 0.44   | W933561  | 0.02   | -0.5   | 0.003  | 0.0031 | 0.005  |
| 211.62   | 213.00 |                         | 211.62   | 213.00 | 1.38   | W933562  | 0.01   | -0.5   | 0.0022 | 0.008  | 0.0058 |
| 213.00   | 214.50 |                         | 213.00   | 214.50 | 1.50   | W933563  | -0.01  | -0.5   | 0.0024 | 0.01   | 0.0079 |
| 214.50   | 215.05 |                         | 214.50   | 215.05 | 0.55   | W933564  | 0.01   | -0.5   | 0.0042 | 0.0029 | 0.0057 |

Hole: GP-280A-19

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| 215.05   | 215.49 |                         | 215.05   | 215.49 | 0.44   | W933565  | 0.28   | -0.5   | 0.0024 | 0.0024 | 0.0056 |
| 215.49   | 216.07 |                         | 215.49   | 216.07 | 0.58   | W933566  | -0.01  | -0.5   | 0.003  | 0.009  | 0.0071 |
| 216.07   | 216.85 |                         | 216.07   | 216.85 | 0.78   | W933567  | 0.01   | -0.5   | 0.0031 | 0.0023 | 0.006  |
| 216.85   | 217.40 |                         | 216.85   | 217.40 | 0.55   | W933568  | 0.06   | -0.5   | 0.001  | 0.0019 | 0.0043 |
| 217.40   | 217.89 |                         | 217.40   | 217.89 | 0.49   | W933569  | 0.41   | -0.5   | 0.0052 | 0.0011 | 0.0046 |
| 217.89   | 218.60 |                         | 217.89   | 218.60 | 0.71   | W933571  | 0.09   | -0.5   | 0.0055 | 0.001  | 0.0046 |
| 218.60   | 219.21 |                         | 218.60   | 219.21 | 0.61   | W933572  | 0.2    | -0.5   | 0.0028 | 0.0012 | 0.0055 |
| 219.21   | 220.35 |                         | 219.21   | 220.35 | 1.14   | W933573  | 0.03   | -0.5   | 0.0017 | 0.0014 | 0.0037 |
| 220.35   | 221.30 |                         | 220.35   | 221.30 | 0.95   | W933574  | 0.24   | -0.5   | 0.0974 | 0.0014 | 0.0043 |
| 221.30   | 221.98 |                         | 221.30   | 221.98 | 0.68   | W933575  | 0.04   | -0.5   | 0.0022 | 0.0013 | 0.0045 |
| 221.98   | 223.01 |                         | 221.98   | 223.01 | 1.03   | W933576  | 0.01   | -0.5   | 0.0051 | 0.0021 | 0.0081 |
| 223.01   | 223.45 |                         | 223.01   | 223.45 | 0.44   | W933577  | -0.01  | 0.5    | 0.0068 | 0.0094 | 0.0091 |
| 223.45   | 224.40 |                         | 223.45   | 224.40 | 0.95   | W933578  | 0.03   | -0.5   | 0.0064 | 0.0082 | 0.0063 |
| 224.40   | 225.19 |                         | 224.40   | 225.19 | 0.79   | W933579  | -0.01  | -0.5   | 0.0039 | 0.0059 | 0.0092 |
| 225.19   | 225.80 |                         | 225.19   | 225.80 | 0.61   | W933581  | 0.1    | -0.5   | 0.003  | 0.0022 | 0.0051 |
| 225.80   | 226.74 |                         | 225.80   | 226.74 | 0.94   | W933582  | 0.05   | 0.6    | 0.0042 | 0.0063 | 0.0058 |
| 226.74   | 227.40 |                         | 226.74   | 227.40 | 0.66   | W933583  | 0.01   | -0.5   | 0.0034 | 0.0026 | 0.0059 |
| 227.40   | 227.83 |                         | 227.40   | 227.83 | 0.43   | W933584  | 0.03   | -0.5   | 0.0034 | 0.0026 | 0.0052 |
| 227.83   | 228.30 |                         | 227.83   | 228.30 | 0.47   | W933585  | 0.21   | -0.5   | 0.0036 | 0.0033 | 0.0059 |
| 228.30   | 228.69 |                         | 228.30   | 228.69 | 0.39   | W933586  | 0.52   | 0.5    | 0.0042 | 0.0037 | 0.0062 |
| 228.69   | 229.17 |                         | 228.69   | 229.17 | 0.48   | W933587  | -0.01  | -0.5   | 0.0021 | 0.0026 | 0.0063 |
| 229.17   | 229.80 |                         | 229.17   | 229.80 | 0.63   | W933588  | 0.03   | -0.5   | 0.0062 | 0.0019 | 0.006  |
| 229.80   | 230.59 |                         | 229.80   | 230.59 | 0.79   | W933589  | 0.17   | -0.5   | 0.0051 | 0.0021 | 0.0055 |
| 230.59   | 231.30 |                         | 230.59   | 231.30 | 0.71   | W933591  | -0.01  | -0.5   | 0.0028 | 0.0026 | 0.0067 |
| 231.30   | 232.22 |                         | 231.30   | 232.22 | 0.92   | W933592  | 0.02   | 0.5    | 0.0056 | 0.0057 | 0.0048 |
| 232.22   | 233.20 |                         | 232.22   | 233.20 | 0.98   | W933593  | -0.01  | -0.5   | 0.0053 | 0.0045 | 0.0073 |
| 233.20   | 233.64 |                         | 233.20   | 233.64 | 0.44   | W933594  | 0.33   | -0.5   | 0.0021 | 0.0029 | 0.005  |



Hole: GP-280A-19

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|

**233.64 244.98 Monz Altd KSP CARB q(c)vs py 106**

Light to medium orangish pink, fine to medium grained, non magnetic, potassium feldspar, carbonate and sericite altered monzonite. Broken out to highlight significant alteration according to historic log, though very similar to altered sections of previous unit. Pervasive alteration (carb, kspar +/- ser) weakly destroys primary textures/blurs feldspar grain boundaries. Several heavily K metasomatized bands. Clear/glassy to milky quartz veinlets, quartz-carbonate veins, and sparse thin carb veinlets throughout. Occasional very fine grained dark pink feldspar veins. Minor disseminated pyrite and specular hematite in fractures and blebs.

Lower contact into less altered monzonite as defined by historic log.

<< Min: 233.64 - 244.98: pyrite 2.5% FG Disseminated / hematite 1% FG Fracture-coating >> Pyrite disseminated throughout and in fractures. Specular hematite present as fracture infill and fine blebs.

<< Alt: 233.64 - 244.98: ksp moderate to strong Pervasive / FeCarb moderate to strong Pervasive / ser moderate Selective / chl weak Selective >> Strong Kspar alteration, particularly within fine dark pink kspar/K metasomatized bands. Increased selective to pervasive carb alteration. Interstitial sericitite and disseminated blebs. Chlorite within select vein selvages.

<< Vein: 233.64 - 244.98: QCVs 1% FG Planar massive / QVs 4.5% FG Planar massive / CVs 1% FG Planar >> Glassy to milky quartz/quartz-carb veining (average thickness, see point features) with locally sericitized selvages and halos and variable pyrite. Entire section strongly selectively to pervasively carbonate and kspar altered. Several dark pink kspar veins (potentially secondary/altering previous veins?) Decreased hairline carbonate veinlets.

|        |        |      |         |      |      |        |        |        |
|--------|--------|------|---------|------|------|--------|--------|--------|
| 233.64 | 234.56 | 0.92 | W933595 | 0.22 | -0.5 | 0.0016 | 0.0019 | 0.0051 |
| 234.56 | 235.10 | 0.54 | W933596 | 0.03 | -0.5 | 0.0033 | 0.0016 | 0.0054 |
| 235.10 | 235.60 | 0.50 | W933597 | 0.26 | 0.5  | 0.0014 | 0.0026 | 0.0046 |
| 235.60 | 236.10 | 0.50 | W933598 | 0.38 | 0.6  | 0.0036 | 0.005  | 0.0049 |
| 236.10 | 237.60 | 1.50 | W933599 | 0.28 | 1.2  | 0.0128 | 0.006  | 0.0045 |
| 237.60 | 238.33 | 0.73 | W933601 | 0.11 | -0.5 | 0.0112 | 0.0012 | 0.0039 |
| 238.33 | 238.80 | 0.47 | W933602 | 0.04 | -0.5 | 0.0155 | 0.001  | 0.0041 |
| 238.80 | 239.69 | 0.89 | W933603 | 0.12 | -0.5 | 0.0056 | 0.0027 | 0.0031 |
| 239.69 | 240.31 | 0.62 | W933604 | 0.01 | -0.5 | 0.0046 | 0.001  | 0.0042 |
| 240.31 | 240.90 | 0.59 | W933605 | 0.07 | 0.5  | 0.005  | 0.0013 | 0.0036 |
| 240.90 | 241.38 | 0.48 | W933606 | 0.41 | 0.5  | 0.0025 | 0.002  | 0.004  |
| 241.38 | 242.20 | 0.82 | W933607 | 0.57 | -0.5 | 0.0081 | 0.0014 | 0.0036 |
| 242.20 | 242.93 | 0.73 | W933608 | 0.4  | 0.6  | 0.0018 | 0.0013 | 0.004  |
| 242.93 | 243.81 | 0.88 | W933609 | 0.04 | -0.5 | 0.0082 | 0.0008 | 0.0044 |

Hole: GP-280A-19

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | To (m) | Rock Type & Description        | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| 244.98                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 255.99 | <b>Monz ksp carb q(c)vs py</b> | 243.81   | 244.98 | 1.17   | W933611  | 0.16   | -0.5   | 0.0059 | 0.0013 | 0.0035 |
| <p><b>106</b></p> <p>Light to medium orangish pink, fine to medium grained monzonite with bands of increased K metasomatism and carbonate alteration. Less pervasively altered than previous unit. Matrix is chloritized in unaltered sections. Quartz, quartz-carbonate, and thin carbonate veining throughout. Fractures filled with carbonate, chlorite, and/or specular hematite. Minor pyrite blebs and disseminations. Sharp, sub-planar lower contact into syenodiorite.</p> <p>&lt;&lt; Min: 245.98 - 255.99: pyrite 1.5% FG Disseminated / hematite 0.3% FG Fracture-coating &gt;&gt; Pyrite commonly on fractures, within select vein selvages, or disseminated to blebby aggregates within host monzonite. Specular hematite locally coats fractures.</p> <p>&lt;&lt; Alt: 244.98 - 255.99: ksp moderate Patchy / FeCarb moderate Patchy / ser moderate Selective / chl weak Selective / alb weak to moderate Selective &gt;&gt; Variable bands of stronger ksp and carb alteration. Interstitial sericite locally moderate to strong. Weak to moderate albitization around veins within stronger K metasomatism bands. Chlorite locally interstitial and fracture filling.</p> <p>&lt;&lt; Vein: 244.98 - 255.99: QCVs 1.5% FG Planar massive / QVs 3% FG Planar massive / CVs 1.5% FG Planar &gt;&gt; Slightly cloudy to milky quartz veining with variable carbonate (thicknesses very average, see point features). Albitization around select quartz-dominated veins. Locally vuggy quartz/quartz-carb veins often associated with pyrite. Minor carb veinlets.</p> |        |                                |          |        |        |          |        |        |        |        |        |
| 244.98                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 245.90 |                                | 244.98   | 245.90 | 0.92   | W933612  | -0.01  | -0.5   | 0.0037 | 0.0017 | 0.0047 |
| 245.90                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 246.67 |                                | 245.90   | 246.67 | 0.77   | W933613  | 0.01   | -0.5   | 0.0035 | 0.0022 | 0.0039 |
| 246.67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 247.50 |                                | 246.67   | 247.50 | 0.83   | W933614  | 0.25   | 1.3    | 0.0079 | 0.0055 | 0.0044 |
| 247.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 248.25 |                                | 247.50   | 248.25 | 0.75   | W933615  | -0.01  | -0.5   | 0.0111 | 0.0027 | 0.0059 |
| 248.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 249.00 |                                | 248.25   | 249.00 | 0.75   | W933616  | 0.17   | -0.5   | 0.004  | 0.0039 | 0.0046 |
| 249.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 249.90 |                                | 249.00   | 249.90 | 0.90   | W933617  | 0.03   | -0.5   | 0.0038 | 0.0019 | 0.0049 |
| 249.90                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 250.70 |                                | 249.90   | 250.70 | 0.80   | W933618  | 0.02   | -0.5   | 0.0037 | 0.002  | 0.0048 |
| 250.70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 251.66 |                                | 250.70   | 251.66 | 0.96   | W933619  | 0.03   | -0.5   | 0.0054 | 0.0026 | 0.0047 |
| 251.66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 252.23 |                                | 251.66   | 252.23 | 0.57   | W933621  | -0.01  | -0.5   | 0.0046 | 0.0053 | 0.008  |
| 252.23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 252.82 |                                | 252.23   | 252.82 | 0.59   | W933622  | 0.19   | 0.9    | 0.0043 | 0.0105 | 0.0038 |
| 252.82                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 253.20 |                                | 252.82   | 253.20 | 0.38   | W933623  | -0.01  | -0.5   | 0.0145 | 0.0032 | 0.0069 |
| 253.20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 253.60 |                                | 253.20   | 253.60 | 0.40   | W933624  | -0.01  | -0.5   | 0.0023 | 0.0021 | 0.0047 |
| 253.60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 254.52 |                                | 253.60   | 254.52 | 0.92   | W933625  | 0.07   | -0.5   | 0.001  | 0.0013 | 0.0035 |
| 254.52                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 255.20 |                                | 254.52   | 255.20 | 0.68   | W933626  | 0.2    | -0.5   | 0.0027 | 0.0018 | 0.0039 |

Hole: GP-280A-19

| From (m)      | To (m)        | Rock Type & Description        | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|---------------|---------------|--------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|               |               |                                | 255.20   | 255.99 | 0.79   | W933627  | 0.07   | -0.5   | 0.005  | 0.0025 | 0.0034 |
|               |               |                                | 255.99   | 257.18 | 1.19   | W933628  | 0.06   | 6.2    | 0.0062 | 0.0047 | 0.02   |
| <b>255.99</b> | <b>267.64</b> | <b>Monzdio + (Maf/UM) carb</b> |          |        |        |          |        |        |        |        |        |
|               |               |                                | 257.18   | 257.77 | 0.59   | W933629  | 0.05   | -0.5   | 0.0092 | 0.0029 | 0.0126 |
|               |               |                                | 257.77   | 258.42 | 0.65   | W933631  | 0.01   | 0.7    | 0.0175 | 0.0065 | 0.0078 |
|               |               |                                | 258.42   | 259.40 | 0.98   | W933632  | -0.01  | -0.5   | 0.0219 | 0.0048 | 0.0069 |
|               |               |                                | 259.40   | 260.00 | 0.60   | W933633  | 0.01   | 0.7    | 0.022  | 0.0051 | 0.007  |
|               |               |                                | 260.00   | 261.21 | 1.21   | W933634  | 0.03   | 0.6    | 0.0382 | 0.0064 | 0.0086 |
|               |               |                                | 261.21   | 262.66 | 1.45   | W933635  | 0.01   | -0.5   | 0.0288 | 0.0031 | 0.0077 |
|               |               |                                | 262.66   | 263.95 | 1.29   | W933636  | 0.01   | 0.6    | 0.0027 | 0.0003 | 0.0135 |
|               |               |                                | 263.95   | 265.40 | 1.45   | W933637  | -0.01  | -0.5   | 0.0042 | 0.0034 | 0.0076 |
|               |               |                                | 265.40   | 266.60 | 1.20   | W933638  | -0.01  | -0.5   | 0.0052 | 0.0048 | 0.0079 |
|               |               |                                | 266.60   | 267.04 | 0.44   | W933639  | -0.01  | -0.5   | 0.0039 | 0.0028 | 0.0072 |
|               |               |                                | 267.04   | 267.64 | 0.60   | W933641  | 0.02   | 0.7    | 0.0046 | 0.0065 | 0.0087 |
|               |               |                                | 267.64   | 268.20 | 0.56   | W933642  | 0.01   | -0.5   | 0.048  | 0.0018 | 0.0157 |
|               |               |                                | 268.20   | 269.10 | 0.90   | W933643  | -0.01  | -0.5   | 0.006  | 0.0004 | 0.0087 |
| <b>267.64</b> | <b>300.23</b> | <b>Kom Msv mag carb talc</b>   |          |        |        |          |        |        |        |        |        |

Light pinkish to green grey, fine grained, carbonate (calcite and ankerite) altered syenodiorite with dark grey mafic/ultramafic lenses. Fine, subhedral, sericite altered feldspar laths within dominantly carbonate altered matrix. Occasional chlorite/biotite blebs. Carbonate altered mafic to ultramafic lenses often foliated and occasionally serpentinized. Weak, patchy magnetism within syenodiorite. Quartz/carbonate veining and minor disseminated pyrite throughout. ~3cm pink/white carbonate band at lower contact with komatiite.

<< Min: 255.99 - 267.64: pyrite 0.5% FG Disseminated / hematite 0.1% FG >> Fine to very fine grained disseminated pyrite. Locally pyrite coating. Minor hematite locally in syenodiorite matrix.

<< Alt: 255.99 - 267.64: CaCarb moderate Pervasive / FeCarb moderate Selective / chl weak to moderate Selective / ser weak to moderate Patchy / bio weak Patchy / mag weak to moderate Patchy / tal weak to moderate Selective >> Carbonate (calcite and ankerite) alteration throughout. Chlorite in blebs and fractures. Predominantly weak sericite alteration with several moderately sericitized bands. Rare fine biotite grains (altering mafics?). Locally serpentinized and talc altered ultramafic lenses.

<< Vein: 255.99 - 267.64: QCVs 1.5% FG Planar massive / CVs 3% FG Planar / QVs 2% Planar massive >> Clear to milky quartz/ quartz+- carb veins within syenodiorite and ultramafic lenses (variable thicknesses, 0.3-3cm). Thin carbonate filled fractures/veinlets.

Dark greenish grey, fine to very fine grained, moderately to strongly magnetic, carbonate (calcite and ankerite) talc (+serpentine?) altered komatiite. Occasionally weakly foliated. Irregular carbonate veinlets throughout. Minor pyrite in fractures and blebs.

Missing box after 269.1m (45 or 46, adjacent box unlabelled).

EOH @ 300.2m.

**Hole: GP-280A-19**

| From (m)                  | To (m)                                                                                                                                         | Rock Type & Description                                                                                                                                                                        | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct  | Zn pct   |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|--------|----------|--------|--------|--------|---------|----------|
| << Min: 267.64 - 300.23:  | pyrite 0.5% FG Fracture-coating >>                                                                                                             | Trace to minor pyrite in fractures or medium blebs.                                                                                                                                            | 280.60   | 281.15 | 0.55   | W933644  | -0.01  | -0.5   | 0.0052 | -0.0002 | 0.0053   |
| << Alt: 267.64 - 300.23:  | CaCarb moderate to strong Pervasive / FeCarb weak to moderate Selective / tal moderate Pervasive / chl weak Selective / serp weak Selective >> | Pervasive carbonate (calcite +/- ankerite) and lesser talc alteration throughout. Minor weak chlorite in fractures and/or host rock. Potentially serpentinized? (referred to in historic log). | 281.15   | 282.00 | 0.85   | W933645  | 0.01   | -0.5   | 0.0053 | 0.0011  | 0.0074   |
| << Vein: 267.64 - 300.23: | QVs 0.5% / QCVs 0.5% FG Planar massive / CVs 5% >>                                                                                             | Planar to slightly undulating, 0.5-1cm, carb-dominated veining throughout. Minor milky quartz/quartz-carb veins. Abundant hairline carb veinlets.                                              | 282.00   | 282.88 | 0.88   | W933646  | 0.01   | -0.5   | 0.0032 | 0.0008  | 0.0079   |
|                           |                                                                                                                                                |                                                                                                                                                                                                | 282.88   | 283.90 | 1.02   | W933647  | -0.01  | -0.5   | 0.0038 | 0.0012  | 0.0058   |
| <b>300.23</b>             | <b>300.23</b>                                                                                                                                  | <b>EOH</b>                                                                                                                                                                                     |          |        |        |          |        |        |        |         | <b>0</b> |

**End of Hole @ 300.23**

**Project:** Golden Perimeter

**Hole:** GP-280A-21

|                             |               |                     |                                                |                          |                          |
|-----------------------------|---------------|---------------------|------------------------------------------------|--------------------------|--------------------------|
| <b>Prospect:</b>            | GP            | <b>Survey Type:</b> | Kim Hatcher                                    | <b>Hole Type:</b>        | DD                       |
| <b>Datum:</b>               | NAD83         | <b>Survey By:</b>   |                                                | <b>Core Size:</b>        | BQ                       |
| <b>Vertical Datum:</b>      |               | <b>Azimuth:</b>     | 35                                             | <b>Date Started:</b>     |                          |
| <b>Zone:</b>                | 17N           | <b>Dip:</b>         | -45                                            | <b>Date Completed:</b>   |                          |
| <b>UTM East:</b>            | 504472.86252  | <b>Length (m):</b>  | 260.6                                          | <b>Drill Company:</b>    | Norex                    |
| <b>UTM North:</b>           | 5349515.54358 |                     |                                                | <b>Drill Started:</b>    |                          |
| <b>UTM Elevation (m):</b>   | 305.13516     |                     |                                                | <b>Drill Completed:</b>  |                          |
| <b>Local Grid:</b>          | ODHD_NAD83    | <b>Comments:</b>    | Logged according to historic log by B Needham. |                          |                          |
| <b>Local East:</b>          | 504430        |                     |                                                | <b>Casing Pulled?:</b>   | <input type="checkbox"/> |
| <b>Local North:</b>         | 5349376       |                     |                                                | <b>Casing Depth (m):</b> | 53.95                    |
| <b>Local Elevation (m):</b> | 303.824       |                     |                                                | <b>H Core Depth (m):</b> |                          |
|                             |               |                     |                                                | <b>N Core Depth (m):</b> |                          |
|                             |               |                     |                                                | <b>B Core Depth (m):</b> | 260.6                    |

| Depth (m) | Survey Method | Survey By | Date Surveyed | Dip   | Azimuth | Mag. Field | Accept Values?                      | Comments |
|-----------|---------------|-----------|---------------|-------|---------|------------|-------------------------------------|----------|
| 0         | Unknown       |           |               | -45   | 35      |            | <input checked="" type="checkbox"/> |          |
| 100       | Unknown       |           |               | -45.5 | 35      |            | <input checked="" type="checkbox"/> |          |
| 200       | Unknown       |           |               | -44.8 | 35      |            | <input checked="" type="checkbox"/> |          |
| 260.6     | Unknown       |           |               | -43.5 | 35      |            | <input checked="" type="checkbox"/> |          |

**Hole: GP-280A-21**

| From (m)                                                                                                                   | To (m)       | Rock Type & Description                                                                                                                                                                                                                                                                                                                                                                                                                                             | From (m)   | To (m) | Length | Sample # | Au ppm  | Ag ppm | Cu pct | Pb pct | Zn pct  |        |
|----------------------------------------------------------------------------------------------------------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------|--------|----------|---------|--------|--------|--------|---------|--------|
| <b>0.00</b>                                                                                                                | <b>53.95</b> | <b>Casing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |        |        |          |         |        |        |        |         |        |
| Casing in overburden.                                                                                                      |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |        |        |          |         |        |        |        |         |        |
| <b>53.95</b>                                                                                                               | <b>55.95</b> | <b>Bas Msv (chilled dio/Monzodiorite?)</b>                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>20</b>  |        |        |          |         |        |        |        |         |        |
|                                                                                                                            |              | Dark green, fine grained, non-magnetic, massive basalt (coded as mafic flow or "possibly chilled diorite" in historic log; resembles syenodiorite later in hole/in nearby holes. Lightly to moderately chloritized. Lightly carbonatized (ankerite), non effervescent. Trace disseminated pyrite grains. Rare carbonate infilled fractures. Lower contact at ~70 degrees TCA.                                                                                       |            | 54.20  | 54.70  | 0.50     | W933648 | -0.01  | -0.5   | 0.0108 | 0.0021  | 0.0084 |
| << Min: 53.95 - 55.95: pyrite 0.05% FG >>                                                                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |        |        |          |         |        |        |        |         |        |
| << Alt: 53.95 - 55.95: chl weak to moderate Patchy / FeCarb weak Patchy >>                                                 |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |        |        |          |         |        |        |        |         |        |
| << Vein: 53.95 - 55.95: CVs 1% FG Planar massive >>                                                                        |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |        |        |          |         |        |        |        |         |        |
| <b>55.95</b>                                                                                                               | <b>72.58</b> | <b>Kom Msv mag cvs</b>                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>10</b>  |        |        |          |         |        |        |        |         |        |
|                                                                                                                            |              | Dark green to green grey, fine to very fine grained, massive ultramafic. Irregular carbonate infilled fractures/veinlets. Strongly magnetic, moderately serpentinized, moderately carbonatized (ankerite), non effervescent. Lower contact at 75 degrees.                                                                                                                                                                                                           |            | 63.20  | 63.70  | 0.50     | W933649 | -0.01  | -0.5   | 0.004  | -0.0002 | 0.0059 |
| << Min: 55.95 - 72.58: pyrite 0.1% FG Disseminated >>                                                                      |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |        |        |          |         |        |        |        |         |        |
| << Alt: 55.95 - 72.58: mag moderate to strong Pervasive / serp weak to moderate Patchy / FeCarb weak to moderate Patchy >> |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |        |        |          |         |        |        |        |         |        |
| << Vein: 55.95 - 72.58: CVs 3% FG Irregular/Blebby massive >>                                                              |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |        |        |          |         |        |        |        |         |        |
| <b>72.58</b>                                                                                                               | <b>78.74</b> | <b>Monzdio (monz?) mg</b>                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>107</b> |        |        |          |         |        |        |        |         |        |
|                                                                                                                            |              | Logged as syenodiorite, though locally resembles monzonite unit. Medium to dark grey matrix with ~70-90% medium grained feldspar phenocrysts. Lightly to moderately carbonatized (ankerite), non effervescent. Occasional bleached, strongly carbonatized selvage adjacent to thin quartz-carbonate infilled fractures. Lightly magnetic. Upper contact is lightly brecciated. Bleached zones have variable disseminated pyrite. Sharp lower contact at 75 degrees. |            | 72.58  | 74.06  | 1.48     | W933651 | 0.03   | -0.5   | 0.003  | 0.0025  | 0.0056 |
| << Min: 72.58 - 78.74: pyrite 0.05% FG Disseminated >>                                                                     |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |        |        |          |         |        |        |        |         |        |
| << Alt: 72.58 - 78.74: FeCarb weak to moderate Patchy / mag weak Patchy / ser weak to moderate Selective >>                |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |        |        |          |         |        |        |        |         |        |
| << Vein: 72.58 - 78.74: QCVs 1% FG Planar massive >>                                                                       |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |        |        |          |         |        |        |        |         |        |
| <b>78.74</b>                                                                                                               | <b>99.14</b> | <b>Kom Msv mag cvs ((KV))</b>                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>10</b>  |        |        |          |         |        |        |        |         |        |
|                                                                                                                            |              | Dark green to green grey, fine to very fine grained, strongly magnetic, moderately carbonatized and serpentinized, massive ultramafic (similar to 55-72m). Occasional bleached monzonite lens. Pink kspar carbonate vein shallow TCA at 89.44-80m. Irregular carbonate infilled fractures/veinlets throughout.                                                                                                                                                      |            | 75.10  | 75.60  | 0.50     | W933652 | -0.01  | -0.5   | 0.0034 | 0.003   | 0.0065 |
|                                                                                                                            |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            | 77.90  | 78.74  | 0.84     | W933653 | 0.01   | -0.5   | 0.0093 | 0.0023  | 0.0061 |

**Hole: GP-280A-21**

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|

<< Min: 78.74 - 99.14: pyrite 0.75% FG Disseminated >>

<< Alt: 78.74 - 99.14: mag moderate to strong Pervasive / FeCarb weak to moderate Pervasive / serp weak to moderate Patchy / ksp weak Selective >> Weak ksp alteration in monz dykes.

<< Vein: 78.74 - 99.14: CVs 5% FG Irregular/Blebby massive / QCVs 0.5% FG Irregular/Blebby massive / KVs 0.05% FG Irregular/Blebby >>

|       |       |      |         |       |      |        |        |        |
|-------|-------|------|---------|-------|------|--------|--------|--------|
| 89.44 | 89.92 | 0.48 | W933654 | 0.01  | -0.5 | 0.004  | 0.0023 | 0.0037 |
| 94.10 | 94.50 | 0.40 | W933655 | -0.01 | -0.5 | 0.0097 | 0.0008 | 0.0088 |
| 94.50 | 95.25 | 0.75 | W933656 | -0.01 | -0.5 | 0.004  | 0.0085 | 0.0032 |

**99.14 113.98 Monz (FeCarb ser alb (ksp)) py 106**

~50% strongly bleached and carbonatized monzonite intercalated with lightly bleached, lightly to moderately carbonatized medium grained monzonite. Gradational contacts between the altered and lightly altered zones.

Altered monzonite: Light green to yellow. Fine grained to medium grained fspar phenos are partially to completely obliterated by alteration. The matrix is usually completely altered. Strongly carbonatized, non effervescent. Moderately to strongly albitized and/or K metasomatized adjacent to thin qz-carb and/or py and chl infilled fractures. Lightly to moderately sericitized. 1-2% irregular qz-carb stringers. Minor disseminated specular hematite blebs. Pyrite finely disseminated throughout, commonly enriched in intensely bleached albitized bands. Non magnetic.

Monzonite: Dark grey matrix with medium to coarse subhedral pink and white feldspar phenos. Locally the fspars have a light green tint due to carbonate alteration. Massive texture. Lightly to moderately magentic. Lightly carbonatized. Locally lightly bleached. Matrix is locally chloritized. Occasional bleached selvages adjacent to irregular fractures and/or thin quartz-carbonate stringers. Core is lightly to moderately blocky. Trace fine grained disseminated pyrite.

<< Min: 99.14 - 113.98: pyrite 1% FG Disseminated >>

<< Alt: 99.14 - 113.98: FeCarb moderate to strong Patchy / alb moderate to strong Patchy / ksp moderate Patchy / chl weak to moderate Selective / mag weak to moderate Patchy / ser moderate to strong Patchy >>

<< Vein: 99.14 - 113.98: QCVs 3% FG Planar massive >>

|        |        |      |         |       |      |        |        |        |
|--------|--------|------|---------|-------|------|--------|--------|--------|
| 99.16  | 100.51 | 1.35 | W933657 | 0.03  | -0.5 | 0.0061 | 0.0022 | 0.0038 |
| 100.51 | 101.30 | 0.79 | W933658 | 0.01  | -0.5 | 0.0037 | 0.0022 | 0.0028 |
| 101.30 | 101.96 | 0.66 | W933659 | 0.02  | -0.5 | 0.0026 | 0.0019 | 0.0034 |
| 101.96 | 102.90 | 0.94 | W933661 | 0.01  | -0.5 | 0.0026 | 0.0037 | 0.0066 |
| 102.90 | 103.40 | 0.50 | W933662 | 0.03  | -0.5 | 0.0056 | 0.0026 | 0.0064 |
| 103.40 | 104.60 | 1.20 | W933663 | -0.01 | -0.5 | 0.0049 | 0.0028 | 0.0067 |

Hole: GP-280A-21

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | To (m)        | Rock Type & Description               | From (m) | To (m) | Length | Sample #   | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------------------------|----------|--------|--------|------------|--------|--------|--------|--------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                       | 104.60   | 105.37 | 0.77   | W933664    | 0.01   | -0.5   | 0.0025 | 0.0032 | 0.0067 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                       | 105.37   | 105.88 | 0.51   | W933665    | -0.01  | -0.5   | 0.0012 | 0.0032 | 0.0069 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                       | 105.88   | 106.80 | 0.92   | W933666    | 0.04   | -0.5   | 0.0031 | 0.0031 | 0.0066 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                       | 106.80   | 107.68 | 0.88   | W933667    | 0.01   | -0.5   | 0.0026 | 0.0031 | 0.0063 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                       | 107.68   | 108.20 | 0.52   | W933668    | 0.02   | -0.5   | 0.005  | 0.0023 | 0.005  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                       | 108.20   | 108.80 | 0.60   | W933669    | 0.06   | -0.5   | 0.0026 | 0.0043 | 0.0034 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                       | 108.80   | 109.17 | 0.37   | W933671    | 0.02   | -0.5   | 0.0039 | 0.0018 | 0.0056 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                       | 109.17   | 110.10 | 0.93   | W933672    | -0.01  | -0.5   | 0.0042 | 0.0035 | 0.0066 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                       | 110.10   | 111.10 | 1.00   | W933673    | 0.01   | -0.5   | 0.0028 | 0.0027 | 0.0056 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                       | 111.10   | 112.00 | 0.90   | W933674    | 0.04   | -0.5   | 0.0058 | 0.0024 | 0.0051 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                       | 112.00   | 112.61 | 0.61   | W933675    | 0.03   | -0.5   | 0.0051 | 0.0031 | 0.0054 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                       | 115.25   | 115.90 | 0.65   | W933676    | 0.01   | -0.5   | 0.0035 | 0.0021 | 0.0081 |
| <b>113.98</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>124.12</b> | <b>Monzidio fg (chl) ((ksp)) (py)</b> |          |        |        | <b>107</b> |        |        |        |        |        |
| <p>Medium pinkish grey with the occasional intensely bleached, carbonatized, and/or moderately K metasomatized zones. Fine grained, massive texture. Occasional anhedral feldspar bleb. Non magnetic. Moderately to strongly carbonatized (ankerite), non effervescent. Quartz-carb veinlets commonly with selvages and chloritic margins. Increased disseminated pyrite in altered zones. Matrix is lightly to moderately chloritized. Occasional K feldspar infilled fracture/veinlet. Sharp lower contact at 45 degrees. Possible chilled syenodiorte.</p> <p>&lt;&lt; Min: 113.98 - 124.12: pyrite 1% FG Disseminated &gt;&gt;</p> <p>&lt;&lt; Alt: 113.98 - 124.12: FeCarb moderate Patchy / ksp weak to moderate Patchy / chl weak to moderate Selective &gt;&gt;</p> <p>&lt;&lt; Vein: 113.98 - 124.12: QCVs 1.5% FG Planar / KVs 1% Irregular/Blebbly vuggy/vug (voids) &gt;&gt; Locally vuggy kspar blebs and veinlets/fracture fill.</p> |               |                                       |          |        |        |            |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                       | 115.90   | 116.56 | 0.66   | W933677    | -0.01  | -0.5   | 0.002  | 0.0018 | 0.0082 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                       | 116.56   | 117.41 | 0.85   | W933678    | 0.01   | -0.5   | 0.0026 | 0.0015 | 0.0083 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                       | 117.41   | 118.40 | 0.99   | W933679    | 0.08   | -0.5   | 0.0031 | 0.0022 | 0.0077 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                       | 118.40   | 119.30 | 0.90   | W933681    | 0.06   | -0.5   | 0.0015 | 0.0024 | 0.0086 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                       | 119.30   | 120.13 | 0.83   | W933682    | -0.01  | -0.5   | 0.0031 | 0.0013 | 0.0091 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                       | 120.13   | 120.54 | 0.41   | W933683    | 0.01   | -0.5   | 0.0018 | 0.0014 | 0.0078 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                       | 124.12   | 124.70 | 0.58   | W933684    | 0.01   | 0.7    | 0.0067 | 0.0041 | 0.0048 |



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| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | To (m)        | Rock Type & Description                    | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| <b>124.12</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>156.69</b> | <b>Monz Altd FeCarb(ser alb)((ksp)) py</b> |          |        |        |          |        |        |        |        |        |
| <p>Similar to previous monzonite unit. 40-60% bleached, carbonatized, altered monzonite commonly adjacent to quartz-carbonate stringers. Altered zoned at 142.88-147.61m. Strongly to intensely carbonatized and bleached light apple green to light pink with qz-carb infilled fractures. Occasional intensely carbonatized and sericitized apple green band. Minor specular hematite blebs. Moderately albitized adjacent to qz-carb veinlets with trace pyrite and cpy blebs. Fspars commonly obliterated by alteration. Minor finely disseminated pyrite. Gradational lower contact into less altered monzonite.</p> <p>&lt;&lt; Min: 124.12 - 156.69: pyrite 1.5% FG Disseminated &gt;&gt;</p> <p>&lt;&lt; Alt: 124.12 - 156.69: FeCarb moderate to strong Patchy / ser moderate Patchy / alb moderate Selective / chl weak Selective &gt;&gt;</p> <p>&lt;&lt; Vein: 124.12 - 156.69: QCVs 2% FG Irregular/Blebby / QVs 0.5% MG Planar massive / SxVs 0.05% &gt;&gt; One significant pyrite vein at 139.6m.</p> |               |                                            |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               | <b>106</b>                                 | 124.70   | 125.77 | 1.07   | W933685  | 0.01   | -0.5   | 0.0027 | 0.0032 | 0.0062 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                            | 125.77   | 126.85 | 1.08   | W933686  | -0.01  | -0.5   | 0.0027 | 0.0025 | 0.0066 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                            | 126.85   | 127.85 | 1.00   | W933687  | 0.01   | -0.5   | 0.0058 | 0.0023 | 0.0053 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                            | 127.85   | 128.44 | 0.59   | W933688  | 0.14   | -0.5   | 0.0034 | 0.003  | 0.0067 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                            | 128.44   | 129.51 | 1.07   | W933689  | 0.01   | -0.5   | 0.0065 | 0.0019 | 0.0061 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                            | 129.51   | 130.30 | 0.79   | W933691  | 0.02   | -0.5   | 0.0057 | 0.0041 | 0.0042 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                            | 130.30   | 131.00 | 0.70   | W933692  | 0.04   | -0.5   | 0.0022 | 0.0032 | 0.0061 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                            | 131.00   | 131.76 | 0.76   | W933693  | 0.02   | -0.5   | 0.0047 | 0.003  | 0.0056 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                            | 131.76   | 133.06 | 1.30   | W933694  | -0.01  | -0.5   | 0.0025 | 0.0023 | 0.0061 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                            | 133.06   | 133.58 | 0.52   | W933695  | 0.01   | -0.5   | 0.14   | 0.0033 | 0.0074 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                            | 133.58   | 134.08 | 0.50   | W933696  | 0.01   | -0.5   | 0.0051 | 0.002  | 0.0063 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                            | 134.08   | 134.82 | 0.74   | W933697  | -0.01  | -0.5   | 0.0031 | 0.003  | 0.0061 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                            | 134.82   | 135.37 | 0.55   | W933698  | -0.01  | -0.5   | 0.0049 | 0.0033 | 0.0067 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                            | 135.37   | 136.04 | 0.67   | W933699  | -0.01  | -0.5   | 0.0042 | 0.0021 | 0.0063 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                            | 136.04   | 136.70 | 0.66   | W933701  | 0.02   | 1.8    | 0.0034 | 0.0137 | 0.0058 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                            | 136.70   | 137.60 | 0.90   | W933702  | 0.09   | -0.5   | 0.0013 | 0.0029 | 0.006  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                            | 137.60   | 138.20 | 0.60   | W933703  | 0.01   | -0.5   | 0.0028 | 0.0023 | 0.0067 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                            | 138.20   | 139.02 | 0.82   | W933704  | 0.02   | -0.5   | 0.006  | 0.0021 | 0.0054 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                            | 139.02   | 139.42 | 0.40   | W933705  | -0.01  | -0.5   | 0.0054 | 0.0023 | 0.007  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                            | 139.42   | 140.00 | 0.58   | W933706  | 0.01   | -0.5   | 0.0088 | 0.0027 | 0.0062 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                            | 140.00   | 141.00 | 1.00   | W933707  | 0.01   | -0.5   | 0.0017 | 0.0012 | 0.0038 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                            | 141.00   | 141.91 | 0.91   | W933708  | 0.06   | -0.5   | 0.0069 | 0.0022 | 0.0059 |

Hole: GP-280A-21

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| 141.91   | 142.34 |                         | 141.91   | 142.34 | 0.43   | W933709  | -0.01  | -0.5   | 0.0059 | 0.0019 | 0.0063 |
| 142.34   | 142.88 |                         | 142.34   | 142.88 | 0.54   | W933711  | 0.01   | -0.5   | 0.0202 | 0.0026 | 0.0065 |
| 142.88   | 143.71 |                         | 142.88   | 143.71 | 0.83   | W933712  | 0.22   | -0.5   | 0.0031 | 0.0021 | 0.0058 |
| 143.71   | 144.40 |                         | 143.71   | 144.40 | 0.69   | W933713  | 0.91   | -0.5   | 0.0023 | 0.0027 | 0.0052 |
| 144.40   | 145.23 |                         | 144.40   | 145.23 | 0.83   | W933714  | 0.1    | -0.5   | 0.005  | 0.0016 | 0.0055 |
| 145.23   | 146.21 |                         | 145.23   | 146.21 | 0.98   | W933715  | 0.08   | -0.5   | 0.0047 | 0.0017 | 0.005  |
| 146.21   | 146.70 |                         | 146.21   | 146.70 | 0.49   | W933716  | 0.01   | -0.5   | 0.0044 | 0.0015 | 0.0054 |
| 146.70   | 147.61 |                         | 146.70   | 147.61 | 0.91   | W933717  | 0.33   | -0.5   | 0.0032 | 0.0021 | 0.0056 |
| 147.61   | 148.91 |                         | 147.61   | 148.91 | 1.30   | W933718  | -0.01  | -0.5   | 0.0016 | 0.0028 | 0.0066 |
| 148.91   | 149.60 |                         | 148.91   | 149.60 | 0.69   | W933719  | 0.01   | -0.5   | 0.0013 | 0.0032 | 0.0062 |
| 149.60   | 150.23 |                         | 149.60   | 150.23 | 0.63   | W933721  | 0.02   | -0.5   | 0.0022 | 0.0043 | 0.0065 |
| 150.23   | 150.77 |                         | 150.23   | 150.77 | 0.54   | W933722  | 0.11   | 0.7    | 0.0026 | 0.004  | 0.0052 |
| 150.77   | 151.48 |                         | 150.77   | 151.48 | 0.71   | W933723  | 0.01   | -0.5   | 0.0029 | 0.0026 | 0.006  |
| 151.48   | 151.98 |                         | 151.48   | 151.98 | 0.50   | W933724  | 0.01   | 0.5    | 0.0042 | 0.0036 | 0.005  |
| 151.98   | 152.57 |                         | 151.98   | 152.57 | 0.59   | W933725  | -0.01  | -0.5   | 0.0022 | 0.0032 | 0.0065 |
| 152.57   | 153.48 |                         | 152.57   | 153.48 | 0.91   | W933726  | 0.01   | -0.5   | 0.0075 | 0.0014 | 0.0058 |
| 153.48   | 154.13 |                         | 153.48   | 154.13 | 0.65   | W933727  | 0.01   | -0.5   | 0.0068 | 0.003  | 0.0063 |
| 154.13   | 154.87 |                         | 154.13   | 154.87 | 0.74   | W933728  | 0.01   | -0.5   | 0.0068 | 0.0042 | 0.0064 |
| 154.87   | 155.60 |                         | 154.87   | 155.60 | 0.73   | W933729  | 0.04   | 0.6    | 0.0057 | 0.0025 | 0.0059 |
| 155.60   | 156.21 |                         | 155.60   | 156.21 | 0.61   | W933731  | 0.19   | -0.5   | 0.001  | 0.0023 | 0.0068 |
| 156.21   | 156.69 |                         | 156.21   | 156.69 | 0.48   | W933732  | -0.01  | -0.5   | 0.0011 | 0.0038 | 0.0059 |
| 156.69   | 158.18 |                         | 156.69   | 158.18 | 1.49   | W933733  | 0.07   | -0.5   | 0.0015 | 0.0023 | 0.0057 |

Hole: GP-280A-21

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | To (m)        | Rock Type & Description        | From (m)   | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------|------------|--------|--------|----------|--------|--------|--------|--------|--------|
| <b>156.69</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>192.00</b> | <b>Monz (FeCarb ksp (chl))</b> |            |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                | <b>106</b> |        |        |          |        |        |        |        |        |
| Dark grey to green matrix with white and pink subhedral to anhedral fspar phenos. Medium grained to locally coarse grained. Lightly to moderately carbonatized (ankerite), non effervescent. Matrix is localy lightly to moderately chloritized. Lightly magnetic. Occasional bleached and carbonatized altered band associated with quartz-carb veinlets. Occasional anhedral, coarse grained, chloritized xenolith. Moderately to strongly K metasomatized zone at 217.25-218.9m with chloritized matrix and fractures, white quartz veinlets, and minor disseminated pyrite. |               |                                |            |        |        |          |        |        |        |        |        |
| Last recovered box ends at 192m.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                                |            |        |        |          |        |        |        |        |        |
| << Min: 156.69 - 192: pyrite 1% FG Disseminated >>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                |            |        |        |          |        |        |        |        |        |
| << Alt: 156.69 - 192: FeCarb moderate Patchy / ksp moderate Patchy / chl weak to moderate Selective / mag weak to moderate Patchy >>                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                                |            |        |        |          |        |        |        |        |        |
| << Vein: 156.69 - 192: QCVs 1.5% FG Irregular/Blebby / QVs 0.5% Planar >>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |               |                                |            |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                | 159.97     | 160.37 | 0.40   | W933734  | 0.05   | -0.5   | 0.0036 | 0.0045 | 0.0061 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                | 166.40     | 167.67 | 1.27   | W933735  | 0.01   | -0.5   | 0.0027 | 0.003  | 0.0061 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                | 167.67     | 168.50 | 0.83   | W933736  | 0.01   | -0.5   | 0.0034 | 0.0045 | 0.0066 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                | 171.22     | 171.72 | 0.50   | W933737  | 0.01   | -0.5   | 0.0042 | 0.0042 | 0.0065 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                | 171.72     | 172.46 | 0.74   | W933738  | -0.01  | -0.5   | 0.002  | 0.004  | 0.0068 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                | 172.46     | 173.18 | 0.72   | W933739  | -0.01  | -0.5   | 0.0033 | 0.0025 | 0.0083 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                | 182.32     | 182.75 | 0.43   | W933741  | -0.01  | -0.5   | 0.0046 | 0.0034 | 0.007  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                | 182.75     | 183.78 | 1.03   | W933742  | -0.01  | -0.5   | 0.0056 | 0.0032 | 0.0071 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                | 183.78     | 184.30 | 0.52   | W933743  | -0.01  | -0.5   | 0.0034 | 0.0047 | 0.0064 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                | 184.30     | 185.01 | 0.71   | W933744  | 0.01   | 0.7    | 0.0043 | 0.0113 | 0.0049 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                | 185.01     | 185.96 | 0.95   | W933745  | 0.01   | -0.5   | 0.0053 | 0.0041 | 0.0064 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                | 189.54     | 190.00 | 0.46   | W933746  | 0.03   | -0.5   | 0.0069 | 0.0038 | 0.0069 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                | 190.00     | 190.50 | 0.50   | W933747  | 0.01   | -0.5   | 0.0035 | 0.0035 | 0.0067 |
| <b>192.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>219.70</b> | <b>Monz</b>                    |            |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                | <b>106</b> |        |        |          |        |        |        |        |        |
| <b>219.70</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>223.11</b> | <b>Kom Msv</b>                 |            |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                | <b>10</b>  |        |        |          |        |        |        |        |        |
| <b>223.11</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>240.30</b> | <b>Monzdio</b>                 |            |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                | <b>107</b> |        |        |          |        |        |        |        |        |
| <b>240.30</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>260.60</b> | <b>Kom Msv</b>                 |            |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                | <b>10</b>  |        |        |          |        |        |        |        |        |
| <b>260.60</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               | <b>EOH</b>                     |            |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                | <b>0</b>   |        |        |          |        |        |        |        |        |

End of Hole @ 260.6

Hole: GP-280A-21

**Project:** Golden Perimeter

**Hole:** GP-280A-22

|                             |            |                     |            |                          |                          |
|-----------------------------|------------|---------------------|------------|--------------------------|--------------------------|
| <b>Prospect:</b>            | GP         | <b>Survey Type:</b> | Rachel Kim | <b>Hole Type:</b>        | DD                       |
| <b>Datum:</b>               | NAD83      | <b>Survey By:</b>   | 2019-11-15 | <b>Core Size:</b>        | BQ                       |
| <b>Vertical Datum:</b>      |            | <b>Azimuth:</b>     | 2019-11-18 | <b>Casing Pulled?:</b>   | <input type="checkbox"/> |
| <b>Zone:</b>                | 17N        | <b>Dip:</b>         | Norex      | <b>Casing Depth (m):</b> | 58.52                    |
| <b>UTM East:</b>            | 504673     | <b>Length (m):</b>  |            | <b>H Core Depth (m):</b> |                          |
| <b>UTM North:</b>           | 5349107    | <b>Comments:</b>    |            | <b>N Core Depth (m):</b> |                          |
| <b>UTM Elevation (m):</b>   | 307.68757  |                     |            | <b>B Core Depth (m):</b> | 206.04                   |
| <b>Local Grid:</b>          | ODHD_NAD83 |                     |            |                          |                          |
| <b>Local East:</b>          | 504624     |                     |            |                          |                          |
| <b>Local North:</b>         | 5349002    |                     |            |                          |                          |
| <b>Local Elevation (m):</b> | 305.38966  |                     |            |                          |                          |

| Depth (m) | Survey Method | Survey By | Date Surveyed | Dip   | Azimuth | Mag. Field | Accept Values?                      | Comments |
|-----------|---------------|-----------|---------------|-------|---------|------------|-------------------------------------|----------|
| 0         | Unknown       |           |               | -45   | 270     |            | <input checked="" type="checkbox"/> |          |
| 100       | Unknown       |           |               | -45.5 | 270     |            | <input checked="" type="checkbox"/> |          |
| 206.04    | Unknown       |           |               | -43.5 | 270     |            | <input checked="" type="checkbox"/> |          |

Hole: GP-280A-22

| From (m)                                                                                                                                                                                                           | To (m)        | Rock Type & Description                    | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| <b>0.00</b>                                                                                                                                                                                                        | <b>58.52</b>  | <b>Casing</b>                              |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                    |               | <b>0</b>                                   |          |        |        |          |        |        |        |        |        |
| <b>58.52</b>                                                                                                                                                                                                       | <b>109.26</b> | <b>Monzonite Ksp sil (Cacarb)py((ga))</b>  |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                    |               | <b>106</b>                                 |          |        |        |          |        |        |        |        |        |
| << Min: 58.52 - 109.26: feldspar phenocryst 70% MG Disseminated / pyrite 2% FG Disseminated / galena 0.5% FG Aggregates (Local high concentrations) / magnetite 10% VFG Disseminated >>                            |               |                                            |          |        |        |          |        |        |        |        |        |
| << Alt: 58.52 - 100.87: ksp weak to moderate Pervasive / mag weak to moderate Patchy / sil weak to moderate Selective / FeCarb weak Selective / CaCarb weak Selective / chl weak Selective / alb weak Selective >> |               |                                            |          |        |        |          |        |        |        |        |        |
| << Alt: 100.87 - 109.26: ksp moderate Pervasive / sil weak to moderate Pervasive / alb weak Pervasive / FeCarb weak Pervasive / CaCarb weak to moderate Patchy >>                                                  |               |                                            |          |        |        |          |        |        |        |        |        |
| << Vein: 58.52 - 109.26: QVs 3% MG / CVs 1% VFG >>                                                                                                                                                                 |               |                                            |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                    |               |                                            | 61.27    | 61.79  | 0.52   | W933274  | 0.05   | -0.5   | 0.0158 | 0.0028 | 0.0065 |
|                                                                                                                                                                                                                    |               |                                            | 65.09    | 66.25  | 1.16   | W933275  | 0.01   | -0.5   | 0.0075 | 0.004  | 0.0058 |
|                                                                                                                                                                                                                    |               |                                            | 70.32    | 70.75  | 0.43   | W933276  | 0.12   | -0.5   | 0.0061 | 0.0024 | 0.0064 |
|                                                                                                                                                                                                                    |               |                                            | 74.55    | 74.93  | 0.38   | W933277  | 0.01   | -0.5   | 0.0022 | 0.0025 | 0.0052 |
|                                                                                                                                                                                                                    |               |                                            | 75.67    | 76.64  | 0.97   | W933278  | 0.13   | -0.5   | 0.0038 | 0.0054 | 0.006  |
|                                                                                                                                                                                                                    |               |                                            | 76.64    | 77.20  | 0.56   | W933279  | -0.01  | -0.5   | 0.0022 | 0.0023 | 0.0066 |
|                                                                                                                                                                                                                    |               |                                            | 83.75    | 85.15  | 1.40   | W933281  | 0.01   | 2      | 0.0018 | 0.0254 | 0.0055 |
|                                                                                                                                                                                                                    |               |                                            | 87.37    | 88.08  | 0.71   | W933282  | 0.01   | 0.6    | 0.0026 | 0.0062 | 0.0057 |
|                                                                                                                                                                                                                    |               |                                            | 91.35    | 92.20  | 0.85   | W933283  | 0.01   | -0.5   | 0.0033 | 0.0058 | 0.0068 |
|                                                                                                                                                                                                                    |               |                                            | 92.20    | 93.25  | 1.05   | W933284  | 0.01   | 2.5    | 0.0033 | 0.0542 | 0.0053 |
|                                                                                                                                                                                                                    |               |                                            | 94.50    | 95.02  | 0.52   | W933285  | 0.04   | 2.7    | 0.0061 | 0.0376 | 0.006  |
|                                                                                                                                                                                                                    |               |                                            | 101.60   | 102.83 | 1.23   | W933286  | 0.01   | -0.5   | 0.0049 | 0.0032 | 0.0071 |
|                                                                                                                                                                                                                    |               |                                            | 102.83   | 104.26 | 1.43   | W933287  | 0.01   | 0.6    | 0.0048 | 0.0075 | 0.005  |
|                                                                                                                                                                                                                    |               |                                            | 104.26   | 105.15 | 0.89   | W933288  | 0.01   | -0.5   | 0.0095 | 0.0043 | 0.0067 |
|                                                                                                                                                                                                                    |               |                                            | 105.15   | 105.96 | 0.81   | W933289  | 0.03   | -0.5   | 0.0205 | 0.0016 | 0.0042 |
|                                                                                                                                                                                                                    |               |                                            | 105.96   | 107.06 | 1.10   | W933291  | 0.02   | -0.5   | 0.0171 | 0.0057 | 0.0083 |
|                                                                                                                                                                                                                    |               |                                            | 107.06   | 108.00 | 0.94   | W933292  | 0.01   | -0.5   | 0.0136 | 0.0036 | 0.004  |
|                                                                                                                                                                                                                    |               |                                            | 108.00   | 108.50 | 0.50   | W933293  | 0.04   | -0.5   | 0.0067 | 0.0024 | 0.0042 |
|                                                                                                                                                                                                                    |               |                                            | 108.50   | 109.26 | 0.76   | W933294  | 0.01   | -0.5   | 0.014  | 0.0027 | 0.0066 |
|                                                                                                                                                                                                                    |               |                                            | 109.26   | 110.06 | 0.80   | W933295  | 0.01   | -0.5   | 0.0124 | 0.0029 | 0.0088 |
|                                                                                                                                                                                                                    |               |                                            | 110.06   | 110.96 | 0.90   | W933296  | 0.01   | -0.5   | 0.0104 | 0.003  | 0.0098 |
|                                                                                                                                                                                                                    |               |                                            | 110.96   | 111.77 | 0.81   | W933297  | -0.01  | -0.5   | 0.0089 | 0.0058 | 0.0108 |
| <b>109.26</b>                                                                                                                                                                                                      | <b>118.49</b> | <b>Mafic Int'e(Diorite?)(kspMonz)(CVs)</b> |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                    |               | <b>100</b>                                 |          |        |        |          |        |        |        |        |        |
| << Min: 109.26 - 118.49: pyrite 1% FG Disseminated / feldspar phenocryst 5% MG Disseminated >>                                                                                                                     |               |                                            |          |        |        |          |        |        |        |        |        |

Hole: GP-280A-22

| From (m)                                                                                                                                                                                                                                                               | To (m)        | Rock Type & Description           | From (m) | To (m) | Length | Sample #   | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------|----------|--------|--------|------------|--------|--------|--------|--------|--------|
| << Alt: 109.26 - 118.49: ksp weak to moderate Selective / CaCarb weak to moderate Patchy / alb weak Selective / mag weak to moderate Patchy / sil weak to moderate Selective / FeCarb weak Patchy / chl weak Patchy >> Cacarb veining too                              |               |                                   | 111.77   | 112.46 | 0.69   | W933298    | 0.18   | -0.5   | 0.0231 | 0.0038 | 0.0022 |
| << Vein: 109.26 - 118.49: CVs 5% Irregular/Blebby / QVs 1% >>                                                                                                                                                                                                          |               |                                   | 112.46   | 113.35 | 0.89   | W933349    | 0.05   | 1      | 0.0136 | 0.008  | 0.0048 |
|                                                                                                                                                                                                                                                                        |               |                                   | 113.35   | 114.50 | 1.15   | W933299    | 0.01   | 0.7    | 0.0116 | 0.0083 | 0.0079 |
|                                                                                                                                                                                                                                                                        |               |                                   | 114.50   | 116.00 | 1.50   | W933301    | 0.01   | -0.5   | 0.0133 | 0.0031 | 0.0092 |
|                                                                                                                                                                                                                                                                        |               |                                   | 116.00   | 117.50 | 1.50   | W933302    | -0.01  | -0.5   | 0.0129 | 0.0024 | 0.0094 |
|                                                                                                                                                                                                                                                                        |               |                                   | 117.50   | 118.49 | 0.99   | W933303    | -0.01  | -0.5   | 0.0023 | 0.0041 | 0.0077 |
| <b>118.49</b>                                                                                                                                                                                                                                                          | <b>140.26</b> | <b>Alt'd Monzonite KSP SIL py</b> |          |        |        | <b>304</b> |        |        |        |        |        |
| << Min: 118.49 - 140.26: pyrite 2% FG Disseminated / feldspar phenocryst 2% MG Disseminated >> most fp are blitzed by alteration. Py disseminated and locally cg in CVs, QCVs                                                                                          |               |                                   |          |        |        |            |        |        |        |        |        |
| << Alt: 118.49 - 118.86: sil weak to moderate Pervasive / FeCarb moderate Pervasive / CaCarb weak Patchy / ksp weak Patchy >> ultramafic lens                                                                                                                          |               |                                   |          |        |        |            |        |        |        |        |        |
| << Alt: 118.86 - 125.45: ksp moderate to strong Pervasive / alb weak to moderate Pervasive / sil weak to moderate Pervasive / mag weak Patchy / CaCarb weak Selective / chl weak Selective / FeCarb moderate Patchy >> chl, carb (possibly serp?) altered mafic lenses |               |                                   |          |        |        |            |        |        |        |        |        |
| << Alt: 125.45 - 126.5: sil moderate Pervasive / fuch weak to moderate Pervasive / FeCarb weak to moderate Pervasive / CaCarb weak Pervasive >> apple green, carbonatized? Fuchsitic ultramafic lens?                                                                  |               |                                   |          |        |        |            |        |        |        |        |        |
| << Alt: 126.5 - 140.26: ksp moderate to strong Pervasive / alb weak to moderate Pervasive / sil weak to moderate Pervasive / mag weak Patchy / CaCarb weak Selective / chl weak Selective / FeCarb moderate Patchy >>                                                  |               |                                   |          |        |        |            |        |        |        |        |        |
| << Vein: 118.49 - 140.26: CVs 5% Irregular/Blebby / QVs 2% Planar / QCVs 1% Planar >>                                                                                                                                                                                  |               |                                   |          |        |        |            |        |        |        |        |        |
|                                                                                                                                                                                                                                                                        |               |                                   | 118.49   | 118.96 | 0.47   | W933304    | -0.01  | -0.5   | 0.0029 | 0.0037 | 0.0145 |
|                                                                                                                                                                                                                                                                        |               |                                   | 118.96   | 119.45 | 0.49   | W933348    | 0.01   | -0.5   | 0.0117 | 0.0041 | 0.0062 |
|                                                                                                                                                                                                                                                                        |               |                                   | 119.45   | 120.30 | 0.85   | W933305    | 0.01   | -0.5   | 0.011  | 0.0049 | 0.0084 |
|                                                                                                                                                                                                                                                                        |               |                                   | 120.30   | 121.00 | 0.70   | W933306    | 0.06   | -0.5   | 0.0095 | 0.0026 | 0.0072 |
|                                                                                                                                                                                                                                                                        |               |                                   | 121.00   | 121.80 | 0.80   | W933307    | 0.01   | -0.5   | 0.0123 | 0.0043 | 0.0071 |
|                                                                                                                                                                                                                                                                        |               |                                   | 121.80   | 123.14 | 1.34   | W933308    | 0.04   | -0.5   | 0.0213 | 0.0041 | 0.005  |
|                                                                                                                                                                                                                                                                        |               |                                   | 123.14   | 124.47 | 1.33   | W933309    | 0.12   | 1      | 0.0101 | 0.0106 | 0.0047 |
|                                                                                                                                                                                                                                                                        |               |                                   | 124.47   | 125.45 | 0.98   | W933311    | 0.14   | -0.5   | 0.006  | 0.0056 | 0.0055 |
|                                                                                                                                                                                                                                                                        |               |                                   | 125.45   | 126.50 | 1.05   | W933312    | 0.02   | -0.5   | 0.0032 | 0.0002 | 0.0191 |

Hole: GP-280A-22

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | To (m)        | Rock Type & Description                   | From (m) | To (m) | Length | Sample #   | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------------------|----------|--------|--------|------------|--------|--------|--------|--------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                           | 126.50   | 126.91 | 0.41   | W933313    | 0.27   | 0.9    | 0.0088 | 0.0099 | 0.0064 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                           | 126.91   | 128.30 | 1.39   | W933314    | 0.02   | -0.5   | 0.0048 | 0.0037 | 0.0066 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                           | 128.30   | 129.14 | 0.84   | W933315    | 0.01   | -0.5   | 0.0135 | 0.0031 | 0.0047 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                           | 129.14   | 130.38 | 1.24   | W933316    | 0.02   | 0.5    | 0.008  | 0.0041 | 0.0036 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                           | 130.38   | 131.00 | 0.62   | W933317    | 0.01   | -0.5   | 0.0046 | 0.0105 | 0.0049 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                           | 131.00   | 131.60 | 0.60   | W933318    | 0.06   | -0.5   | 0.0083 | 0.0026 | 0.0051 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                           | 131.60   | 133.10 | 1.50   | W933319    | 0.15   | -0.5   | 0.008  | 0.0041 | 0.0054 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                           | 133.10   | 133.90 | 0.80   | W933321    | 0.63   | -0.5   | 0.0106 | 0.0045 | 0.0034 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                           | 133.90   | 134.89 | 0.99   | W933351    | 0.01   | -0.5   | 0.0059 | 0.003  | 0.0033 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                           | 134.89   | 136.00 | 1.11   | W933322    | 0.01   | 0.9    | 0.0059 | 0.0117 | 0.0041 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                           | 136.00   | 137.40 | 1.40   | W933323    | 0.02   | -0.5   | 0.009  | 0.0065 | 0.0069 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                           | 137.40   | 138.90 | 1.50   | W933324    | 0.01   | 0.5    | 0.0228 | 0.0078 | 0.0068 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                           | 138.90   | 140.26 | 1.36   | W933325    | 0.01   | -0.5   | 0.0098 | 0.0032 | 0.0134 |
| <b>140.26</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>144.68</b> | <b>Contam's Monzodiorite py Ksp (chl)</b> |          |        |        | <b>161</b> |        |        |        |        |        |
| << Min: 140.26 - 144.68: feldspar phenocryst 10% MG Disseminated / pyrite 2% FG Disseminated >> fp only in mozonite lenses<br><< Alt: 140.26 - 144.68: ksp weak to moderate Patchy / chl weak Patchy / sil weak to moderate Pervasive / FeCarb weak to moderate Pervasive / CaCarb weak to moderate Selective / mag weak Patchy / ser weak to moderate Selective >> ca carb weak and patchy, ser-chl altered ultramafic pods<br><< Vein: 140.26 - 144.68: CVs 5% Irregular/Blebby / QVs 2% / QCVs 1% >> |               |                                           |          |        |        |            |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                           | 141.26   | 142.03 | 0.77   | W933326    | 0.07   | -0.5   | 0.0376 | 0.0026 | 0.0054 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                           | 144.00   | 144.60 | 0.60   | W933327    | -0.01  | -0.5   | 0.018  | 0.0023 | 0.0086 |
| <b>144.68</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>150.18</b> | <b>Monzonite</b>                          |          |        |        | <b>106</b> |        |        |        |        |        |
| << Min: 144.68 - 150.18: pyrite 1% FG Disseminated / amphibole 0.5% FG Disseminated / magnetite 5% VFG Disseminated >><br><< Alt: 144.68 - 149.09: ksp weak to moderate Pervasive / sil weak to moderate Pervasive / alb weak Patchy / CaCarb weak Patchy / chl weak Selective / mag weak to moderate Pervasive / FeCarb weak Patchy >> chl altered mafic xenoliths                                                                                                                                     |               |                                           |          |        |        |            |        |        |        |        |        |



Hole: GP-280A-22

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | To (m)        | Rock Type & Description  | From (m) | To (m) | Length  | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------|----------|--------|---------|----------|--------|--------|--------|--------|------------|
| << Alt: 149.09 - 150.18: ksp moderate Pervasive / mag weak to moderate Pervasive / sil weak to moderate Pervasive / CaCarb weak to moderate Selective / FeCarb weak to moderate Patchy >><br><< Vein: 144.68 - 150.18: CVs 2% VFG Irregular/Blebby / QVs 0.5% FG Irregular/Blebby >>                                                                                                                                                                                                                                                                               |               |                          |          |        |         |          |        |        |        |        |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 148.50        |                          | 149.09   | 0.59   | W933328 | -0.01    | -0.5   | 0.0078 | 0.0033 | 0.0086 |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 149.09        |                          | 150.18   | 1.09   | W933329 | -0.01    | -0.5   | 0.0097 | 0.0032 | 0.0047 |            |
| <b>150.18</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>153.65</b> | <b>Komatiite Massive</b> |          |        |         |          |        |        |        |        | <b>10</b>  |
| << Min: 150.18 - 153.65: pyrite 2% FG Disseminated >><br><< Alt: 150.18 - 153.65: chl weak to moderate Pervasive / CaCarb weak to moderate Selective / FeCarb weak to moderate Patchy / mag weak Patchy / tal weak Patchy / ser weak Pervasive / serp weak to moderate Pervasive >><br><< Vein: 150.18 - 153.65: CVs 5% FG Irregular/Blebby >>                                                                                                                                                                                                                     |               |                          |          |        |         |          |        |        |        |        |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 151.00        |                          | 151.49   | 0.49   | W933331 | -0.01    | -0.5   | 0.0029 | 0.0002 | 0.0057 |            |
| <b>153.65</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>177.40</b> | <b>Monzodiorite ksp</b>  |          |        |         |          |        |        |        |        | <b>107</b> |
| << Min: 153.65 - 177.4: feldspar phenocryst 10% MG Disseminated / pyrite 1% FG Disseminated / hematite 1% VFG Fracture-coating / magnetite 5% VFG Disseminated >> fp in monzonite sections<br><< Alt: 153.65 - 177.4: ksp weak to moderate Patchy / mag weak to moderate Pervasive / sil weak to moderate Patchy / chl weak Selective / CaCarb weak Patchy / ep weak Selective / FeCarb weak to moderate Patchy >> trace ep altered fps in monzonite sections, ep+hem on fractured surfaces<br><< Vein: 153.65 - 177.4: CVs 1% Irregular/Blebby / QVs 1% Planar >> |               |                          |          |        |         |          |        |        |        |        |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 153.65        |                          | 154.37   | 0.72   | W933332 | 0.01     | -0.5   | 0.0155 | 0.0024 | 0.0067 |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 156.15        |                          | 156.65   | 0.50   | W933333 | 0.05     | -0.5   | 0.0147 | 0.0023 | 0.0089 |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 163.82        |                          | 164.17   | 0.35   | W933334 | -0.01    | -0.5   | 0.0069 | 0.0034 | 0.0087 |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 166.32        |                          | 166.72   | 0.40   | W933335 | 0.01     | -0.5   | 0.0047 | 0.0031 | 0.0095 |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 173.27        |                          | 173.78   | 0.51   | W933336 | 0.02     | -0.5   | 0.004  | 0.0023 | 0.0092 |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 175.79        |                          | 176.31   | 0.52   | W933337 | -0.01    | -0.5   | 0.0097 | 0.0038 | 0.0068 |            |
| <b>177.40</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>196.80</b> | <b>Gabbro</b>            |          |        |         |          |        |        |        |        | <b>101</b> |
| << Min: 177.4 - 196.8: pyrite 1% FG Disseminated / magnetite 5% VFG Disseminated / feldspar phenocryst 5% FG Disseminated / pyroxene 10% FG Disseminated >><br><< Alt: 177.4 - 196.8: chl weak to moderate Pervasive / sil weak Pervasive / CaCarb weak Selective / ksp weak to moderate Selective / mag weak Patchy / ep weak Selective >>                                                                                                                                                                                                                        |               |                          |          |        |         |          |        |        |        |        |            |

**Hole: GP-280A-22**

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|

<< Vein: 177.4 - 196.8: CVs 2% FG Irregular/Blebby / QVs 1% MG >>

|        |        |      |         |       |      |        |        |        |
|--------|--------|------|---------|-------|------|--------|--------|--------|
| 178.78 | 179.90 | 1.12 | W933338 | -0.01 | -0.5 | 0.0142 | 0.0029 | 0.0085 |
| 184.10 | 184.60 | 0.50 | W933339 | -0.01 | -0.5 | 0.0018 | 0.0016 | 0.0096 |
| 187.32 | 188.16 | 0.84 | W933341 | 0.01  | -0.5 | 0.0058 | 0.004  | 0.0086 |
| 194.76 | 195.16 | 0.40 | W933342 | -0.01 | -0.5 | 0.0115 | 0.0018 | 0.0067 |
| 197.80 | 198.30 | 0.50 | W933343 | -0.01 | -0.5 | 0.0021 | 0.0005 | 0.0051 |

**196.80 199.34 Komatiite Massive 10**

<< Min: 196.8 - 199.34: pyrite 0.5% VFG Disseminated / magnetite 5% VFG Disseminated >>

<< Alt: 196.8 - 199.34: chl weak to moderate Pervasive / CaCarb weak to moderate Selective / FeCarb weak to moderate Selective / mag weak to moderate Pervasive / sil weak to moderate Selective / ksp weak Selective >>

<< Vein: 196.8 - 199.34: CVs 2% Undulating >>

**199.34 201.00 Monzonite (Ksp) py 106**

<< Min: 199.34 - 201: feldspar phenocryst 5% MG Disseminated / pyrite 1% FG Disseminated >> py locally abundant around veins

<< Alt: 199.34 - 201: ksp weak Pervasive / mag Pervasive / sil weak to moderate Pervasive / alb weak Selective / CaCarb weak Patchy / FeCarb weak to moderate Patchy >>

<< Vein: 199.34 - 201: QCVs 2% CG Planar / QVs 1% Irregular/Blebby / CVs 1% Irregular/Blebby >>

|        |        |      |         |       |      |        |        |        |
|--------|--------|------|---------|-------|------|--------|--------|--------|
| 199.34 | 200.10 | 0.76 | W933344 | 0.01  | 1.3  | 0.0044 | 0.0173 | 0.0037 |
| 200.10 | 201.00 | 0.90 | W933345 | 0.01  | -0.5 | 0.0056 | 0.0035 | 0.0051 |
| 201.45 | 201.82 | 0.37 | W933346 | -0.01 | -0.5 | 0.0043 | 0.0004 | 0.0061 |
| 204.50 | 205.18 | 0.68 | W933347 | 0.01  | -0.5 | 0.006  | 0.001  | 0.0063 |

**201.00 206.04 Komatiite Massive CVs mag 10**

<< Min: 201 - 206.04: pyrite 0.5% VFG Disseminated / magnetite 5% VFG Disseminated >>

<< Alt: 201 - 206.04: chl weak to moderate Pervasive / CaCarb weak to moderate Selective / FeCarb weak to moderate Selective / ser weak to moderate Pervasive / tal weak Pervasive / mag weak to moderate Pervasive >>

<< Vein: 201 - 206.04: CVs 20% FG Irregular/Blebby >>

**206.04 EOH 0**

**End of Hole @ 206.04**

**Project:** Golden Perimeter

**Hole:** GP-280A-30

|                             |            |                     |            |                          |                          |
|-----------------------------|------------|---------------------|------------|--------------------------|--------------------------|
| <b>Prospect:</b>            | GP         | <b>Survey Type:</b> | Rachel Kim | <b>Hole Type:</b>        | DD                       |
| <b>Datum:</b>               | NAD83      | <b>Survey By:</b>   | 2019-11-21 | <b>Core Size:</b>        | BQ                       |
| <b>Vertical Datum:</b>      |            | <b>Azimuth:</b>     | 2019-11-23 | <b>Casing Pulled?:</b>   | <input type="checkbox"/> |
| <b>Zone:</b>                | 17N        | <b>Dip:</b>         | Norex      | <b>Casing Depth (m):</b> | 49.07                    |
| <b>UTM East:</b>            | 504847     | <b>Length (m):</b>  | 157.9      | <b>H Core Depth (m):</b> |                          |
| <b>UTM North:</b>           | 5348888    | <b>Comments:</b>    |            | <b>N Core Depth (m):</b> |                          |
| <b>UTM Elevation (m):</b>   | 309.06042  |                     |            | <b>B Core Depth (m):</b> | 157.9                    |
| <b>Local Grid:</b>          | ODHD_NAD83 |                     |            |                          |                          |
| <b>Local East:</b>          | 504892     |                     |            |                          |                          |
| <b>Local North:</b>         | 5348790    |                     |            |                          |                          |
| <b>Local Elevation (m):</b> | 309.1289   |                     |            |                          |                          |

| Depth (m) | Survey Method | Survey By | Date Surveyed | Dip   | Azimuth | Mag. Field | Accept Values?                      | Comments          |
|-----------|---------------|-----------|---------------|-------|---------|------------|-------------------------------------|-------------------|
| 0         | Unknown       |           |               | -45   | 270     |            | <input checked="" type="checkbox"/> |                   |
| 50        | Unknown       |           |               | -44.8 | 270     |            | <input checked="" type="checkbox"/> | from original log |
| 157.88    | Unknown       |           |               | -40   | 270     |            | <input checked="" type="checkbox"/> | from original log |

Hole: GP-280A-30

| From (m)                                                                                                                                                                                                                                                                                                                                                          | To (m)       | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct  | Zn pct |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------|----------|--------|--------|----------|--------|--------|--------|---------|--------|
| <b>0.00</b>                                                                                                                                                                                                                                                                                                                                                       | <b>49.07</b> | <b>Casing</b>           |          |        |        |          |        |        |        |         |        |
| <b>49.07</b>                                                                                                                                                                                                                                                                                                                                                      | <b>96.92</b> | <b>Kom Msv talc</b>     |          |        |        |          |        |        |        |         |        |
| << Min: 49.07 - 96.92: pyrite 1% MG Disseminated >><br><< Alt: 49.07 - 96.92: tal moderate Pervasive / CaCarb moderate Patchy / sil weak to moderate Selective / mag weak to moderate Pervasive / FeCarb weak Selective / bio moderate Selective >> bio altered lamprophyre dyke<br><< Vein: 49.07 - 96.92: CVs 5% Irregular/Blebby / QCVs 1% Irregular/Blebby >> |              |                         |          |        |        |          |        |        |        |         |        |
|                                                                                                                                                                                                                                                                                                                                                                   |              |                         | 52.65    | 53.00  | 0.35   | W933408  | -0.01  | -0.5   | 0.0044 | -0.0002 | 0.0067 |
|                                                                                                                                                                                                                                                                                                                                                                   |              |                         | 55.89    | 56.28  | 0.39   | W933409  | 0.02   | -0.5   | 0.0037 | 0.0018  | 0.0059 |
|                                                                                                                                                                                                                                                                                                                                                                   |              |                         | 60.35    | 60.87  | 0.52   | W933411  | -0.01  | -0.5   | 0.0081 | 0.0008  | 0.003  |
|                                                                                                                                                                                                                                                                                                                                                                   |              |                         | 65.30    | 65.75  | 0.45   | W933412  | -0.01  | -0.5   | 0.0046 | -0.0002 | 0.0076 |
|                                                                                                                                                                                                                                                                                                                                                                   |              |                         | 67.02    | 67.53  | 0.51   | W933413  | -0.01  | -0.5   | 0.0032 | 0.0002  | 0.0049 |
|                                                                                                                                                                                                                                                                                                                                                                   |              |                         | 71.10    | 71.90  | 0.80   | W933414  | -0.01  | -0.5   | 0.0056 | 0.0004  | 0.0055 |
|                                                                                                                                                                                                                                                                                                                                                                   |              |                         | 72.54    | 73.05  | 0.51   | W933415  | -0.01  | -0.5   | 0.0083 | 0.0006  | 0.0045 |
|                                                                                                                                                                                                                                                                                                                                                                   |              |                         | 73.05    | 73.59  | 0.54   | W933416  | -0.01  | -0.5   | 0.0104 | 0.0016  | 0.0054 |
|                                                                                                                                                                                                                                                                                                                                                                   |              |                         | 80.53    | 81.09  | 0.56   | W933417  | 0.01   | -0.5   | 0.0092 | 0.0007  | 0.0047 |
|                                                                                                                                                                                                                                                                                                                                                                   |              |                         | 87.26    | 88.27  | 1.01   | W933418  | 0.02   | -0.5   | 0.0108 | 0.0004  | 0.0057 |
|                                                                                                                                                                                                                                                                                                                                                                   |              |                         | 88.27    | 89.25  | 0.98   | W933419  | 0.01   | -0.5   | 0.0104 | -0.0002 | 0.0083 |
|                                                                                                                                                                                                                                                                                                                                                                   |              |                         | 89.25    | 89.85  | 0.60   | W933421  | -0.01  | -0.5   | 0.0053 | 0.0002  | 0.0084 |
|                                                                                                                                                                                                                                                                                                                                                                   |              |                         | 89.85    | 90.33  | 0.48   | W933422  | 0.01   | -0.5   | 0.0071 | 0.0006  | 0.0053 |
|                                                                                                                                                                                                                                                                                                                                                                   |              |                         | 93.48    | 94.00  | 0.52   | W933423  | 0.01   | -0.5   | 0.0075 | 0.0002  | 0.0053 |
|                                                                                                                                                                                                                                                                                                                                                                   |              |                         | 96.38    | 96.92  | 0.54   | W933424  | 0.01   | -0.5   | 0.0057 | 0.0007  | 0.0054 |
| <b>96.92</b>                                                                                                                                                                                                                                                                                                                                                      | <b>98.72</b> | <b>Lamp bio</b>         |          |        |        |          |        |        |        |         |        |
| << Min: 96.92 - 98.72: biotite (primary, not alteration) 20% MG Disseminated / pyrite 0.5% FG Disseminated >><br><< Alt: 96.92 - 98.72: bio moderate Pervasive / mag moderate Pervasive / CaCarb moderate Pervasive >>                                                                                                                                            |              |                         |          |        |        |          |        |        |        |         |        |
|                                                                                                                                                                                                                                                                                                                                                                   |              |                         | 96.92    | 97.82  | 0.90   | W933425  | 0.01   | -0.5   | 0.0076 | 0.0008  | 0.0091 |
|                                                                                                                                                                                                                                                                                                                                                                   |              |                         | 97.82    | 98.72  | 0.90   | W933426  | 0.01   | -0.5   | 0.0105 | 0.0021  | 0.0101 |
|                                                                                                                                                                                                                                                                                                                                                                   |              |                         | 98.72    | 99.40  | 0.68   | W933427  | 0.01   | -0.5   | 0.0062 | 0.0002  | 0.0064 |

Hole: GP-280A-30

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                            | To (m)        | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct  | Zn pct |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------|----------|--------|--------|----------|--------|--------|--------|---------|--------|
| <b>98.72</b>                                                                                                                                                                                                                                                                                                                                                                                                        | <b>108.10</b> | <b>Kom Msv talc</b>     |          |        |        |          |        |        |        |         |        |
| 10<br><< Min: 98.72 - 108.1: pyrite 2% FG Disseminated >> locally abundant py proximal to veining<br><< Alt: 98.72 - 108.1: tal moderate Pervasive / CaCarb moderate Patchy / sil weak to moderate Selective / mag weak to moderate Patchy / FeCarb weak Selective / ser moderate Pervasive >><br><< Vein: 98.72 - 108.1: CVs 3% Irregular/Blebbly / QCVs 5% Undulating >>                                          |               |                         |          |        |        |          |        |        |        |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                         | 99.40    | 100.17 | 0.77   | W933428  | -0.01  | -0.5   | 0.0033 | -0.0002 | 0.0048 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                         | 100.17   | 101.52 | 1.35   | W933429  | 0.01   | -0.5   | 0.0049 | 0.0002  | 0.0055 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                         | 104.28   | 105.38 | 1.10   | W933431  | 0.01   | -0.5   | 0.0047 | -0.0002 | 0.0059 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                         | 105.38   | 106.07 | 0.69   | W933432  | -0.01  | -0.5   | 0.0048 | -0.0002 | 0.007  |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                         | 106.07   | 106.62 | 0.55   | W933433  | 0.03   | -0.5   | 0.0025 | 0.0009  | 0.0064 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                         | 106.62   | 108.10 | 1.48   | W933434  | 0.01   | -0.5   | 0.006  | -0.0002 | 0.0079 |
| <b>108.10</b>                                                                                                                                                                                                                                                                                                                                                                                                       | <b>110.86</b> | <b>Monzdio altered</b>  |          |        |        |          |        |        |        |         |        |
| 107<br><< Min: 108.1 - 110.86: feldspar phenocryst 1% FG Disseminated / pyrite 0.5% FG Disseminated >><br><< Alt: 108.1 - 110.86: ksp weak to moderate Patchy / sil moderate to strong Pervasive / mag weak to moderate Pervasive / FeCarb weak to moderate Patchy / chl weak Selective / ser weak Patchy >> chl in mafic xenos, vein selvages<br><< Vein: 108.1 - 110.86: CVs 1% Planar / QVs 2% Undulating >>     |               |                         |          |        |        |          |        |        |        |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                         | 108.10   | 109.34 | 1.24   | W933435  | 0.05   | -0.5   | 0.0014 | 0.0004  | 0.0077 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                         | 109.34   | 110.50 | 1.16   | W933436  | 0.31   | -0.5   | 0.0027 | 0.0004  | 0.0068 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                         | 110.50   | 110.86 | 0.36   | W933437  | 0.01   | -0.5   | 0.0034 | 0.0011  | 0.0121 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                         | 110.86   | 111.56 | 0.70   | W933438  | 0.01   | -0.5   | 0.0039 | 0.0015  | 0.0091 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                         | 111.56   | 112.40 | 0.84   | W933439  | -0.01  | -0.5   | 0.0053 | 0.003   | 0.0096 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                         | 112.40   | 113.47 | 1.07   | W933441  | -0.01  | -0.5   | 0.0023 | 0.003   | 0.0094 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                         | 113.47   | 114.43 | 0.96   | W933442  | -0.01  | -0.5   | 0.0018 | 0.0031  | 0.0087 |
| <b>110.86</b>                                                                                                                                                                                                                                                                                                                                                                                                       | <b>114.43</b> | <b>Monzdio FP porph</b> |          |        |        |          |        |        |        |         |        |
| 107<br><< Min: 110.86 - 114.43: feldspar phenocryst 10% FG Disseminated / biotite (primary, not alteration) 2% FG Disseminated / pyrite 0.5% FG Disseminated >><br><< Alt: 110.86 - 114.43: sil weak to moderate Pervasive / ksp weak to moderate Selective / CaCarb weak Patchy / FeCarb weak Patchy / bio weak Pervasive / mag weak Pervasive >><br><< Vein: 110.86 - 114.43: CVs 1% Planar / KV 1% Undulating >> |               |                         |          |        |        |          |        |        |        |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                         | 114.43   | 115.21 | 0.78   | W933443  | 0.01   | -0.5   | 0.0036 | 0.0018  | 0.007  |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                         | 115.21   | 115.62 | 0.41   | W933444  | 0.26   | -0.5   | 0.0022 | 0.0011  | 0.0081 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                         | 115.62   | 116.32 | 0.70   | W933445  | 0.35   | -0.5   | 0.0075 | 0.0024  | 0.0059 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                         | 116.32   | 117.41 | 1.09   | W933446  | 0.06   | -0.5   | 0.0027 | 0.0032  | 0.0061 |
| <b>114.43</b>                                                                                                                                                                                                                                                                                                                                                                                                       | <b>118.85</b> | <b>Monzdio altered</b>  |          |        |        |          |        |        |        |         |        |
| 107<br><< Min: 114.43 - 118.85: feldspar phenocryst 1% FG Disseminated / pyrite 1% FG Disseminated >><br><< Alt: 114.43 - 118.85: sil moderate Pervasive / ksp moderate Patchy / alb weak to moderate Patchy / FeCarb weak to moderate Selective / CaCarb weak to moderate Selective / chl weak Patchy / mag weak to moderate Patchy >> wk ser? Through unit; chl in mafic xenos                                    |               |                         |          |        |        |          |        |        |        |         |        |

**Hole: GP-280A-30**

| From (m)                                                                                                                                                                                                                                              | To (m)        | Rock Type & Description | From (m)   | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------|------------|--------|--------|----------|--------|--------|--------|--------|--------|
| << Vein: 114.43 - 118.85: CVs 3% Irregular/Blebby / QCVs 1% >>                                                                                                                                                                                        |               |                         | 117.41     | 118.85 | 1.44   | W933447  | 0.12   | -0.5   | 0.0039 | 0.0011 | 0.0079 |
| <b>118.85</b>                                                                                                                                                                                                                                         | <b>120.86</b> | <b>BK Msv chl</b>       | <b>14</b>  |        |        |          |        |        |        |        |        |
| << Min: 118.85 - 120.86: pyrite 1% FG Disseminated >>                                                                                                                                                                                                 |               |                         |            |        |        |          |        |        |        |        |        |
| << Alt: 118.85 - 120.86: chl moderate Pervasive / CaCarb weak to moderate Pervasive / FeCarb weak to moderate Patchy / ser weak to moderate Pervasive / mag weak Pervasive / sil weak to moderate Patchy >>                                           |               |                         |            |        |        |          |        |        |        |        |        |
| << Vein: 118.85 - 120.86: CVs 5% >>                                                                                                                                                                                                                   |               |                         |            |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                       |               |                         | 118.85     | 119.90 | 1.05   | W933448  | 0.02   | -0.5   | 0.0015 | 0.0004 | 0.0162 |
|                                                                                                                                                                                                                                                       |               |                         | 119.90     | 120.86 | 0.96   | W933449  | 0.06   | -0.5   | 0.0015 | 0.0003 | 0.0165 |
|                                                                                                                                                                                                                                                       |               |                         | 120.86     | 121.73 | 0.87   | W933451  | 0.13   | -0.5   | 0.0118 | 0.0015 | 0.006  |
|                                                                                                                                                                                                                                                       |               |                         | 125.16     | 126.04 | 0.88   | W933452  | 0.02   | -0.5   | 0.0089 | 0.0024 | 0.0092 |
|                                                                                                                                                                                                                                                       |               |                         | 126.04     | 126.74 | 0.70   | W933453  | 0.02   | -0.5   | 0.0069 | 0.0023 | 0.0085 |
|                                                                                                                                                                                                                                                       |               |                         | 128.27     | 128.79 | 0.52   | W933454  | 0.11   | -0.5   | 0.0031 | 0.0023 | 0.0081 |
| <b>120.86</b>                                                                                                                                                                                                                                         | <b>133.28</b> | <b>Monzdio FP porph</b> | <b>107</b> |        |        |          |        |        |        |        |        |
| << Min: 120.86 - 133.28: feldspar phenocryst 10% FG Disseminated / pyrite 0.5% VFG Disseminated / hematite 2% VFG Fracture-coating >>                                                                                                                 |               |                         |            |        |        |          |        |        |        |        |        |
| << Alt: 120.86 - 133.28: sil moderate Pervasive / ksp weak Patchy / CaCarb weak Selective / mag weak to moderate Pervasive / alb weak Patchy / ser weak Patchy / chl weak Pervasive >> wk ep on fracture surfaces                                     |               |                         |            |        |        |          |        |        |        |        |        |
| << Vein: 120.86 - 133.28: CVs 1% Irregular/Blebby / QVs 1% Planar / QCVs 1% Planar >>                                                                                                                                                                 |               |                         |            |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                       |               |                         | 129.40     | 130.00 | 0.60   | W933455  | -0.01  | -0.5   | 0.0041 | 0.0022 | 0.0087 |
|                                                                                                                                                                                                                                                       |               |                         | 130.00     | 130.90 | 0.90   | W933456  | 0.02   | -0.5   | 0.0063 | 0.003  | 0.0081 |
|                                                                                                                                                                                                                                                       |               |                         | 130.90     | 131.70 | 0.80   | W933457  | 0.01   | -0.5   | 0.002  | 0.0026 | 0.0094 |
|                                                                                                                                                                                                                                                       |               |                         | 131.70     | 132.10 | 0.40   | W933458  | -0.01  | -0.5   | 0.0055 | 0.0035 | 0.0099 |
| <b>133.28</b>                                                                                                                                                                                                                                         | <b>141.29</b> | <b>Contam Monzdio</b>   | <b>161</b> |        |        |          |        |        |        |        |        |
| << Min: 133.28 - 141.29: pyrite 2% MG Aggregates (Local high concentrations) / biotite (primary, not alteration) 5% MG Disseminated / amphibole 10% FG Disseminated >> amph chl altered                                                               |               |                         |            |        |        |          |        |        |        |        |        |
| << Alt: 133.28 - 141.29: sil weak to moderate Pervasive / ksp moderate Selective / mag weak to moderate Pervasive / chl weak to moderate Patchy / CaCarb weak to moderate Patchy / bio weak to moderate Pervasive / ser weak to moderate Selective >> |               |                         |            |        |        |          |        |        |        |        |        |
| << Vein: 133.28 - 141.29: KV's 3% Irregular/Blebby / CVs 1% / QVs 2% >> kvs colloform/banded to msv,                                                                                                                                                  |               |                         |            |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                       |               |                         | 133.28     | 134.17 | 0.89   | W933459  | -0.01  | -0.5   | 0.0042 | 0.003  | 0.0092 |
|                                                                                                                                                                                                                                                       |               |                         | 134.17     | 134.67 | 0.50   | W933461  | -0.01  | -0.5   | 0.0044 | 0.0042 | 0.0109 |
|                                                                                                                                                                                                                                                       |               |                         | 134.67     | 135.07 | 0.40   | W933462  | 0.01   | -0.5   | 0.0052 | 0.0036 | 0.0113 |
|                                                                                                                                                                                                                                                       |               |                         | 135.07     | 136.27 | 1.20   | W933463  | -0.01  | -0.5   | 0.0039 | 0.0031 | 0.0102 |

**Hole:** GP-280A-30

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | To (m)        | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                         | 136.27   | 137.10 | 0.83   | W933464  | -0.01  | -0.5   | 0.0044 | 0.0035 | 0.0083 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                         | 137.10   | 137.77 | 0.67   | W933476  | 0.02   | -0.5   | 0.0037 | 0.0029 | 0.0094 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                         | 137.77   | 138.83 | 1.06   | W933465  | -0.01  | 0.5    | 0.0079 | 0.0075 | 0.0092 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                         | 138.83   | 139.73 | 0.90   | W933466  | 0.09   | -0.5   | 0.0071 | 0.0037 | 0.0086 |
| <b>141.29</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>144.04</b> | <b>Monzdio FP porph</b> |          |        |        |          |        |        |        |        |        |
| <p>&lt;&lt; Min: 141.29 - 144.04: feldspar phenocryst 10% FG Disseminated / pyrite 2% FG Disseminated / hematite 2% VFG Fracture-coating &gt;&gt;</p> <p>&lt;&lt; Alt: 141.29 - 144.04: sil moderate Pervasive / ksp weak Patchy / CaCarb weak Selective / mag weak to moderate Pervasive / alb weak Patchy / ser weak Patchy / chl weak Pervasive &gt;&gt;</p> <p>&lt;&lt; Vein: 141.29 - 144.04: CVs 1% Planar / QVs 1% &gt;&gt;</p>                                       |               |                         |          |        |        |          |        |        |        |        |        |
| <b>144.04</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>145.09</b> | <b>Contam Monzdio</b>   |          |        |        |          |        |        |        |        |        |
| <p>&lt;&lt; Min: 144.04 - 145.09: pyrite 5% MG Aggregates (Local high concentrations) / amphibole 10% FG Disseminated &gt;&gt; sericite on qv selvage</p> <p>&lt;&lt; Alt: 144.04 - 145.09: sil weak to moderate Pervasive / ksp weak to moderate Selective / mag weak to moderate Pervasive / chl weak to moderate Patchy / CaCarb weak to moderate Patchy / ser weak Patchy &gt;&gt;</p> <p>&lt;&lt; Vein: 144.04 - 145.09: CVs 2% Irregular/Blebby / QCVs 1% &gt;&gt;</p> |               |                         |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                         | 144.04   | 144.70 | 0.66   | W933467  | 0.02   | 0.8    | 0.0205 | 0.0188 | 0.0063 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                         | 144.70   | 145.09 | 0.39   | W933468  | -0.01  | -0.5   | 0.0051 | 0.0025 | 0.0115 |
| <b>145.09</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>157.88</b> | <b>Monzdio FP porph</b> |          |        |        |          |        |        |        |        |        |
| <p>&lt;&lt; Min: 145.09 - 157.88: feldspar phenocryst 10% FG Disseminated / pyrite 1% FG Disseminated &gt;&gt;</p> <p>&lt;&lt; Alt: 145.09 - 157.88: sil moderate Pervasive / ksp weak Patchy / CaCarb weak Selective / mag weak to moderate Pervasive / serp weak Patchy / alb weak Patchy / chl weak Pervasive &gt;&gt; serp in mafic xenos</p> <p>&lt;&lt; Vein: 145.09 - 157.88: CVs 3% Irregular/Blebby / QCVs 2% Undulating &gt;&gt;</p>                               |               |                         |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                         | 145.09   | 145.80 | 0.71   | W933469  | -0.01  | -0.5   | 0.0015 | 0.0018 | 0.0099 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                         | 152.50   | 153.09 | 0.59   | W933471  | 0.02   | -0.5   | 0.0091 | 0.0018 | 0.0065 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                         | 153.09   | 153.82 | 0.73   | W933472  | -0.01  | -0.5   | 0.0074 | 0.0008 | 0.0106 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                         | 153.82   | 154.12 | 0.30   | W933473  | 0.01   | -0.5   | 0.0156 | 0.0026 | 0.0074 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                         | 155.46   | 155.98 | 0.52   | W933474  | 0.01   | -0.5   | 0.0119 | 0.0066 | 0.0059 |

Hole: GP-280A-30

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| 157.88   | 157.88 | EOH                     | 157.38   | 157.79 | 0.41   | W933475  | -0.01  | -0.5   | 0.003  | 0.0031 | 0.0096 |

End of Hole @ 157.9



**Project:** Golden Perimeter

**Hole:** GP-280A-31A

|                             |               |                     |            |                          |                          |
|-----------------------------|---------------|---------------------|------------|--------------------------|--------------------------|
| <b>Prospect:</b>            | GP            | <b>Survey Type:</b> | Rachel Kim | <b>Hole Type:</b>        | DD                       |
| <b>Datum:</b>               | NAD83         | <b>Survey By:</b>   | 2019-11-18 | <b>Core Size:</b>        | BQ                       |
| <b>Vertical Datum:</b>      |               | <b>Azimuth:</b>     | 2019-11-20 | <b>Casing Pulled?:</b>   | <input type="checkbox"/> |
| <b>Zone:</b>                | 17N           | <b>Dip:</b>         | Norex      | <b>Casing Depth (m):</b> | 62.79                    |
| <b>UTM East:</b>            | 504667.06576  | <b>Length (m):</b>  |            | <b>H Core Depth (m):</b> |                          |
| <b>UTM North:</b>           | 5348972.89147 | <b>Comments:</b>    |            | <b>N Core Depth (m):</b> |                          |
| <b>UTM Elevation (m):</b>   | 306.09015     |                     |            | <b>B Core Depth (m):</b> | 185.32                   |
| <b>Local Grid:</b>          | ODHD_NAD83    |                     |            |                          |                          |
| <b>Local East:</b>          | 504624        |                     |            |                          |                          |
| <b>Local North:</b>         | 5348900       |                     |            |                          |                          |
| <b>Local Elevation (m):</b> | 304.27811     |                     |            |                          |                          |

| Depth (m) | Survey Method | Survey By | Date Surveyed | Dip   | Azimuth | Mag. Field | Accept Values?                      | Comments |
|-----------|---------------|-----------|---------------|-------|---------|------------|-------------------------------------|----------|
| 0         | Unknown       |           |               | -45   | 270     |            | <input checked="" type="checkbox"/> |          |
| 50        | Unknown       |           |               | -46.8 | 270     |            | <input checked="" type="checkbox"/> |          |
| 185.31    | Unknown       |           |               | -49   | 270     |            | <input checked="" type="checkbox"/> |          |

**Hole: GP-280A-31A**

| From (m)                                                                                                                                                                                                                                                             | To (m)       | Rock Type & Description            | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| <b>0.00</b>                                                                                                                                                                                                                                                          | <b>62.79</b> | <b>Casing</b>                      |          |        |        |          |        |        |        |        |        |
| possible jumbled boxes b/w 114m to 131m. 2-3 sequential boxes unlabelled                                                                                                                                                                                             |              |                                    |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                      |              |                                    | 62.79    | 63.72  | 0.93   | W933352  | 0.06   | -0.5   | 0.0065 | 0.0025 | 0.0074 |
| <b>62.79</b>                                                                                                                                                                                                                                                         | <b>63.72</b> | <b>Monzonite Porph (ksp)</b>       |          |        |        |          |        |        |        |        |        |
| << Min: 62.79 - 63.72: feldspar phenocryst 15% MG Disseminated / pyrite 0.5% VFG Disseminated >>                                                                                                                                                                     |              |                                    |          |        |        |          |        |        |        |        |        |
| << Alt: 62.79 - 63.72: ksp weak Pervasive / sil weak to moderate Pervasive / CaCarb weak Patchy / chl weak Selective / FeCarb weak Pervasive >>                                                                                                                      |              |                                    |          |        |        |          |        |        |        |        |        |
| << Vein: 62.79 - 63.72: QCVs 2% Irregular/Blebbly >>                                                                                                                                                                                                                 |              |                                    |          |        |        |          |        |        |        |        |        |
| <b>63.72</b>                                                                                                                                                                                                                                                         | <b>67.65</b> | <b>Monzonite Ksp</b>               |          |        |        |          |        |        |        |        |        |
| << Min: 63.72 - 67.65: feldspar phenocryst 70% MG Disseminated / pyrite 1% FG Disseminated / magnetite 5% VFG Disseminated >>                                                                                                                                        |              |                                    |          |        |        |          |        |        |        |        |        |
| << Alt: 63.72 - 67.65: ksp weak to moderate Pervasive / sil weak Patchy / mag weak Patchy / CaCarb weak Selective / alb weak Patchy / chl weak Selective >>                                                                                                          |              |                                    |          |        |        |          |        |        |        |        |        |
| << Vein: 63.72 - 67.65: CVs 1% Irregular/Blebbly >>                                                                                                                                                                                                                  |              |                                    |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                      |              |                                    | 64.58    | 65.59  | 1.01   | W933353  | 0.01   | -0.5   | 0.0024 | 0.0046 | 0.0075 |
|                                                                                                                                                                                                                                                                      |              |                                    | 66.00    | 66.80  | 0.80   | W933354  | 0.03   | -0.5   | 0.005  | 0.0019 | 0.0062 |
|                                                                                                                                                                                                                                                                      |              |                                    | 66.80    | 67.65  | 0.85   | W933355  | 0.02   | -0.5   | 0.0068 | 0.002  | 0.006  |
| <b>67.65</b>                                                                                                                                                                                                                                                         | <b>70.54</b> | <b>Alt'd Monzonite KSP SIL alb</b> |          |        |        |          |        |        |        |        |        |
| << Min: 67.65 - 70.54: feldspar phenocryst 15% MG Aggregates (Local high concentrations) / pyrite 2% FG Disseminated >> most fp's strongly ksp altered, fuzzy to completely obliterated                                                                              |              |                                    |          |        |        |          |        |        |        |        |        |
| << Alt: 67.65 - 70.54: ksp moderate to strong Pervasive / mag weak Patchy / sil moderate Pervasive / alb moderate Pervasive / chl weak Patchy / CaCarb weak to moderate Selective / FeCarb moderate Selective >>                                                     |              |                                    |          |        |        |          |        |        |        |        |        |
| << Vein: 67.65 - 70.54: CVs 1% Irregular/Blebbly / QVs 0.5% Planar >>                                                                                                                                                                                                |              |                                    |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                      |              |                                    | 67.65    | 68.17  | 0.52   | W933356  | 0.13   | -0.5   | 0.0035 | 0.0019 | 0.0044 |
|                                                                                                                                                                                                                                                                      |              |                                    | 68.17    | 68.87  | 0.70   | W933357  | 0.08   | 0.6    | 0.0036 | 0.004  | 0.0045 |
|                                                                                                                                                                                                                                                                      |              |                                    | 68.87    | 69.35  | 0.48   | W933358  | 0.11   | -0.5   | 0.0082 | 0.0021 | 0.0069 |
|                                                                                                                                                                                                                                                                      |              |                                    | 69.35    | 70.54  | 1.19   | W933359  | 0.42   | 1.9    | 0.0034 | 0.0079 | 0.0044 |
| <b>70.54</b>                                                                                                                                                                                                                                                         | <b>84.20</b> | <b>Monzodiorite FP (monz?) Ksp</b> |          |        |        |          |        |        |        |        |        |
| very FP heavy syeno - looks more like monzonite w/ locally strong altered ksp zones/banding than syenodiorite.                                                                                                                                                       |              |                                    |          |        |        |          |        |        |        |        |        |
| << Min: 70.54 - 84.2: feldspar phenocryst 70% MG Disseminated / pyrite 1% FG Disseminated / magnetite 5% VFG Disseminated >>                                                                                                                                         |              |                                    |          |        |        |          |        |        |        |        |        |
| << Alt: 70.54 - 84.2: ksp moderate Pervasive / CaCarb weak to moderate Selective / mag weak to moderate Patchy / sil weak to moderate Patchy / FeCarb weak to moderate Selective / alb weak to moderate Patchy >> ksp locally strong in zones/bands and qtz veinlets |              |                                    |          |        |        |          |        |        |        |        |        |
| << Vein: 70.54 - 84.2: CVs 2% FG Planar / QCVs 2% FG Planar >> QCV's with halos, bleaching. CV/s can be irregular                                                                                                                                                    |              |                                    |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                      |              |                                    | 73.30    | 74.43  | 1.13   | W933361  | 0.6    | -0.5   | 0.0055 | 0.002  | 0.006  |
|                                                                                                                                                                                                                                                                      |              |                                    | 75.03    | 75.53  | 0.50   | W933362  | 0.02   | -0.5   | 0.0064 | 0.0024 | 0.0068 |
|                                                                                                                                                                                                                                                                      |              |                                    | 77.25    | 78.16  | 0.91   | W933363  | 0.01   | -0.5   | 0.0064 | 0.0018 | 0.0059 |
|                                                                                                                                                                                                                                                                      |              |                                    | 78.63    | 79.69  | 1.06   | W933364  | 0.28   | -0.5   | 0.006  | 0.0026 | 0.0063 |

**Hole:** GP-280A-31A

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | To (m)        | Rock Type & Description               | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct  | Zn pct |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------------------------|----------|--------|--------|----------|--------|--------|--------|---------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                       | 81.05    | 81.64  | 0.59   | W933365  | -0.01  | -0.5   | 0.003  | 0.0034  | 0.0065 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                       | 81.64    | 82.00  | 0.36   | W933366  | -0.01  | -0.5   | 0.0062 | 0.0031  | 0.0066 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                       | 82.80    | 83.83  | 1.03   | W933367  | 0.36   | -0.5   | 0.0048 | 0.0023  | 0.0066 |
| <b>84.20</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>86.40</b>  | <b>Monzodiorite</b>                   |          |        |        |          |        |        |        |         |        |
| <p>&lt;&lt; Min: 84.2 - 86.4: feldspar phenocryst 7% MG Disseminated / pyrite 1% FG Disseminated / hematite 1% VFG Halo / magnetite 1% VFG Disseminated &gt;&gt;</p> <p>&lt;&lt; Alt: 84.2 - 86.4: ksp weak Pervasive / CaCarb weak to moderate Pervasive / FeCarb weak to moderate Patchy / chl weak Selective / sil weak to moderate Patchy / alb weak Selective / mag weak Patchy &gt;&gt;</p> <p>&lt;&lt; Vein: 84.2 - 86.4: CVs 2% Planar / QCVs 2% Planar &gt;&gt;</p>                                                                                                              |               |                                       |          |        |        |          |        |        |        |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                       | 84.73    | 85.29  | 0.56   | W933368  | -0.01  | -0.5   | 0.0031 | 0.0035  | 0.0092 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                       | 85.29    | 86.30  | 1.01   | W933369  | -0.01  | -0.5   | 0.0032 | 0.0038  | 0.0098 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                       | 88.29    | 89.03  | 0.74   | W933371  | 0.03   | -0.5   | 0.008  | 0.0061  | 0.0065 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                       | 91.29    | 91.86  | 0.57   | W933372  | -0.01  | -0.5   | 0.0087 | 0.0075  | 0.0068 |
| <b>86.40</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>95.90</b>  | <b>Monzodiorite FP (monz?) ksp</b>    |          |        |        |          |        |        |        |         |        |
| <p>&lt;&lt; Min: 86.4 - 95.9: feldspar phenocryst 70% MG Disseminated / pyrite 1% FG Disseminated / magnetite 3% VFG Disseminated / ankerite 2% FG Vein &gt;&gt;</p> <p>&lt;&lt; Alt: 86.4 - 95.9: ksp weak to moderate Pervasive / CaCarb weak Patchy / FeCarb weak Selective / sil weak to moderate Patchy / alb weak Patchy / mag weak to moderate Patchy / FeOx moderate Selective &gt;&gt;</p> <p>&lt;&lt; Vein: 86.4 - 95.9: CVs 1% FG Planar massive / QVs 1% VFG Planar massive / QCVs 1% Planar vuggy/vug (voids) &gt;&gt;</p>                                                   |               |                                       |          |        |        |          |        |        |        |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                       | 91.86    | 93.14  | 1.28   | W933373  | -0.01  | -0.5   | 0.005  | 0.0036  | 0.0069 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                       | 93.14    | 94.09  | 0.95   | W933374  | 0.01   | -0.5   | 0.0081 | 0.002   | 0.006  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                       | 94.95    | 95.40  | 0.45   | W933375  | 0.03   | 4.1    | 0.0333 | 0.0072  | 0.0119 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                       | 95.90    | 96.62  | 0.72   | W933376  | 0.01   | -0.5   | 0.002  | 0.0005  | 0.01   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                       | 96.62    | 97.64  | 1.02   | W933377  | -0.01  | -0.5   | 0.0037 | 0.0004  | 0.0087 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                       | 97.64    | 98.57  | 0.93   | W933378  | 0.01   | -0.5   | 0.0064 | 0.0011  | 0.0059 |
| <b>95.90</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>122.75</b> | <b>Komatiite Massive talc (syeno)</b> |          |        |        |          |        |        |        |         |        |
| <p>&lt;&lt; Min: 95.9 - 122.75: pyrite 1% FG Aggregates (Local high concentrations) / feldspar phenocryst 3% MG Disseminated / hematite 2% FG Aggregates (Local high concentrations) / magnetite 15% VFG Disseminated &gt;&gt; sparse fp phenos in syenodiorite dykes</p> <p>&lt;&lt; Alt: 95.9 - 122.75: chl weak to moderate Pervasive / tal weak to moderate Patchy / CaCarb moderate Selective / mag moderate Patchy / sil weak to moderate Patchy / ksp weak Selective &gt;&gt; wk ksp in syeno dykes</p> <p>&lt;&lt; Vein: 95.9 - 122.75: CVs 10% FG Irregular/Blebbly &gt;&gt;</p> |               |                                       |          |        |        |          |        |        |        |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                       | 98.57    | 99.18  | 0.61   | W933379  | -0.01  | -0.5   | 0.0028 | 0.0003  | 0.0072 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                       | 106.50   | 107.01 | 0.51   | W933381  | -0.01  | -0.5   | 0.0018 | -0.0002 | 0.0071 |
| <b>98.57</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               | <b>Komatiite Massive talc (syeno)</b> |          |        |        |          |        |        |        |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                       | 107.01   | 107.76 | 0.75   | W933382  | 0.01   | -0.5   | 0.0043 | 0.0003  | 0.0061 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                       | 108.36   | 109.20 | 0.84   | W933383  | 0.01   | -0.5   | 0.0048 | 0.0009  | 0.0056 |

Hole: GP-280A-31A

| From (m)                                                                                                                                                                                                                               | To (m)        | Rock Type & Description                | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct  | Zn pct |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------------------------------|----------|--------|--------|----------|--------|--------|--------|---------|--------|
|                                                                                                                                                                                                                                        |               |                                        | 109.20   | 109.92 | 0.72   | W933384  | 0.01   | -0.5   | 0.0048 | 0.0004  | 0.0084 |
|                                                                                                                                                                                                                                        |               |                                        | 114.14   | 115.07 | 0.93   | W933385  | 0.01   | -0.5   | 0.0059 | 0.0012  | 0.0072 |
|                                                                                                                                                                                                                                        |               |                                        | 119.63   | 120.15 | 0.52   | W933386  | 0.01   | -0.5   | 0.0243 | 0.0016  | 0.0099 |
|                                                                                                                                                                                                                                        |               |                                        | 98.57    | 99.18  | 0.61   | W933379  | -0.01  | -0.5   | 0.0028 | 0.0003  | 0.0072 |
|                                                                                                                                                                                                                                        |               |                                        | 106.50   | 107.01 | 0.51   | W933381  | -0.01  | -0.5   | 0.0018 | -0.0002 | 0.0071 |
|                                                                                                                                                                                                                                        |               |                                        | 107.01   | 107.76 | 0.75   | W933382  | 0.01   | -0.5   | 0.0043 | 0.0003  | 0.0061 |
|                                                                                                                                                                                                                                        |               |                                        | 108.36   | 109.20 | 0.84   | W933383  | 0.01   | -0.5   | 0.0048 | 0.0009  | 0.0056 |
|                                                                                                                                                                                                                                        |               |                                        | 109.20   | 109.92 | 0.72   | W933384  | 0.01   | -0.5   | 0.0048 | 0.0004  | 0.0084 |
|                                                                                                                                                                                                                                        |               |                                        | 114.14   | 115.07 | 0.93   | W933385  | 0.01   | -0.5   | 0.0059 | 0.0012  | 0.0072 |
|                                                                                                                                                                                                                                        |               |                                        | 119.63   | 120.15 | 0.52   | W933386  | 0.01   | -0.5   | 0.0243 | 0.0016  | 0.0099 |
| <b>122.75</b>                                                                                                                                                                                                                          | <b>126.50</b> | <b>Contaminated Monzodiorite (fp)</b>  |          |        |        |          |        |        |        |         |        |
| << Min: 122.75 - 126.5: pyrite 2% FG Aggregates (Local high concentrations) >>                                                                                                                                                         |               |                                        |          |        |        |          |        |        |        |         |        |
| << Alt: 122.75 - 126.5: ksp weak Pervasive / mag weak to moderate Patchy / chl weak to moderate Selective / CaCarb weak to moderate Patchy / sil weak Pervasive / tal weak to moderate Selective >>                                    |               |                                        |          |        |        |          |        |        |        |         |        |
| << Vein: 122.75 - 126.5: CVs 2% Irregular/Blebbly / QCVs 1% Planar >>                                                                                                                                                                  |               |                                        |          |        |        |          |        |        |        |         |        |
| <b>126.50</b>                                                                                                                                                                                                                          | <b>149.12</b> | <b>Komatiite Massive (talc)</b>        |          |        |        |          |        |        |        |         |        |
| << Min: 126.5 - 149.12: pyrite 1% FG Aggregates (Local high concentrations) / magnetite 10% VFG Disseminated >>                                                                                                                        |               |                                        |          |        |        |          |        |        |        |         |        |
| << Alt: 126.5 - 149.12: chl weak to moderate Pervasive / tal weak to moderate Patchy / mag weak to moderate Pervasive / CaCarb weak to moderate Patchy / FeOx weak Patchy / sil weak Patchy / ksp weak Selective >> ksp in syeno dykes |               |                                        |          |        |        |          |        |        |        |         |        |
| << Vein: 126.5 - 149.12: CVs 3% Planar / QCVs 1% Planar >>                                                                                                                                                                             |               |                                        |          |        |        |          |        |        |        |         |        |
| <b>149.12</b>                                                                                                                                                                                                                          | <b>152.40</b> | <b>Contaminated Monzodiorite (kom)</b> |          |        |        |          |        |        |        |         |        |
| << Min: 149.12 - 149.74: pyrite 1% FG Disseminated >> 2% diss fg bio (in syeno)                                                                                                                                                        |               |                                        |          |        |        |          |        |        |        |         |        |
| << Min: 149.74 - 150.74: pyrite 0.5% FG Disseminated >>                                                                                                                                                                                |               |                                        |          |        |        |          |        |        |        |         |        |
| << Min: 150.74 - 151.5: pyrite 0.5% FG >>                                                                                                                                                                                              |               |                                        |          |        |        |          |        |        |        |         |        |
| << Min: 151.5 - 152.4: pyrite 0.5% FG Disseminated >> bio (2 % diss, f-mg), met                                                                                                                                                        |               |                                        |          |        |        |          |        |        |        |         |        |
| << Alt: 149.12 - 150.74: ksp weak Pervasive / chl weak Pervasive / sil weak Pervasive / CaCarb weak to moderate Pervasive / mag weak to moderate Pervasive / bio weak to moderate Pervasive >>                                         |               |                                        |          |        |        |          |        |        |        |         |        |

**Hole: GP-280A-31A**

| From (m)                                                                                                                                                                                                                                                         | To (m)        | Rock Type & Description              | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct  | Zn pct    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------|----------|--------|--------|----------|--------|--------|--------|---------|-----------|
| << Alt: 150.74 - 151.5: chl weak to moderate Pervasive / ser weak to moderate Pervasive / CaCarb weak to moderate Patchy / mag weak to moderate Pervasive / tal weak to moderate Pervasive >>                                                                    |               |                                      |          |        |        |          |        |        |        |         |           |
| << Alt: 151.5 - 152.4: ksp weak Pervasive / chl weak Pervasive / sil weak Pervasive / CaCarb weak to moderate Pervasive / mag weak to moderate Pervasive / bio moderate to strong Pervasive >>                                                                   |               |                                      |          |        |        |          |        |        |        |         |           |
| << Vein: 149.12 - 152.4: CVs 2% >>                                                                                                                                                                                                                               |               |                                      |          |        |        |          |        |        |        |         |           |
|                                                                                                                                                                                                                                                                  | 149.12        |                                      | 149.74   | 0.62   |        | W933393  | 0.01   | -0.5   | 0.0081 | 0.0016  | 0.0052    |
|                                                                                                                                                                                                                                                                  | 149.74        |                                      | 150.74   | 1.00   |        | W933394  | -0.01  | -0.5   | 0.0046 | 0.0017  | 0.0079    |
|                                                                                                                                                                                                                                                                  | 151.50        |                                      | 152.40   | 0.90   |        | W933395  | 0.01   | -0.5   | 0.0166 | 0.0049  | 0.0097    |
| <b>152.40</b>                                                                                                                                                                                                                                                    | <b>185.32</b> | <b>Komatiite Massive (talc)(bio)</b> |          |        |        |          |        |        |        |         | <b>10</b> |
| << Min: 152.4 - 155.32: pyrite 2% FG Disseminated >> bio in syeno dykes                                                                                                                                                                                          |               |                                      |          |        |        |          |        |        |        |         |           |
| << Min: 155.32 - 156.67: pyrite 1% FG Disseminated / biotite (primary, not alteration) 3% MG Patchy >>                                                                                                                                                           |               |                                      |          |        |        |          |        |        |        |         |           |
| << Min: 156.67 - 162.38: pyrite 1% FG Disseminated >>                                                                                                                                                                                                            |               |                                      |          |        |        |          |        |        |        |         |           |
| << Min: 162.38 - 163.62: pyrite 1% FG Disseminated / biotite (primary, not alteration) 5% MG Disseminated >>                                                                                                                                                     |               |                                      |          |        |        |          |        |        |        |         |           |
| << Min: 163.62 - 164.12: pyrite 0.5% FG Disseminated >>                                                                                                                                                                                                          |               |                                      |          |        |        |          |        |        |        |         |           |
| << Min: 164.12 - 164.67: pyrite 1% FG Disseminated / biotite (primary, not alteration) 5% MG Disseminated >>                                                                                                                                                     |               |                                      |          |        |        |          |        |        |        |         |           |
| << Min: 164.67 - 181.15: pyrite 1% FG >>                                                                                                                                                                                                                         |               |                                      |          |        |        |          |        |        |        |         |           |
| << Min: 181.15 - 182.98: biotite (primary, not alteration) 2% FG Disseminated / pyrite 0.5% FG Disseminated >>                                                                                                                                                   |               |                                      |          |        |        |          |        |        |        |         |           |
| << Min: 182.98 - 185.32: pyrite 0.5% FG Disseminated >>                                                                                                                                                                                                          |               |                                      |          |        |        |          |        |        |        |         |           |
| << Alt: 152.4 - 185.32: chl weak to moderate Pervasive / tal weak to moderate Pervasive / CaCarb weak to moderate Pervasive / FeCarb weak to moderate Pervasive / ksp weak Selective / mag moderate Pervasive / bio moderate Selective >> euh bio in syeno dykes |               |                                      |          |        |        |          |        |        |        |         |           |
| << Vein: 152.4 - 185.32: CVs 5% Irregular/Blebbly massive >>                                                                                                                                                                                                     |               |                                      |          |        |        |          |        |        |        |         |           |
|                                                                                                                                                                                                                                                                  | 154.34        |                                      | 154.83   | 0.49   |        | W933396  | -0.01  | -0.5   | 0.0011 | 0.0003  | 0.0058    |
|                                                                                                                                                                                                                                                                  | 155.32        |                                      | 156.67   | 1.35   |        | W933397  | 0.01   | -0.5   | 0.0063 | 0.0032  | 0.0073    |
|                                                                                                                                                                                                                                                                  | 160.93        |                                      | 161.39   | 0.46   |        | W933398  | 0.01   | -0.5   | 0.001  | 0.0014  | 0.0044    |
|                                                                                                                                                                                                                                                                  | 162.38        |                                      | 162.93   | 0.55   |        | W933399  | -0.01  | -0.5   | 0.0177 | 0.0022  | 0.0109    |
|                                                                                                                                                                                                                                                                  | 162.93        |                                      | 163.62   | 0.69   |        | W933401  | 0.01   | -0.5   | 0.0107 | 0.0024  | 0.0102    |
|                                                                                                                                                                                                                                                                  | 163.62        |                                      | 164.12   | 0.50   |        | W933402  | -0.01  | -0.5   | 0.0022 | -0.0002 | 0.0078    |

Hole: GP-280A-31A

| From (m)      | To (m)        | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|---------------|---------------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|               |               |                         | 164.12   | 164.67 | 0.55   | W933403  | -0.01  | -0.5   | 0.0042 | 0.0015 | 0.0089 |
|               |               |                         | 179.62   | 180.16 | 0.54   | W933404  | 0.01   | -0.5   | 0.0143 | 0.0012 | 0.0091 |
|               |               |                         | 181.59   | 182.98 | 1.39   | W933405  | -0.01  | -0.5   | 0.0047 | 0.003  | 0.0093 |
|               |               |                         | 183.10   | 183.60 | 0.50   | W933406  | -0.01  | -0.5   | 0.0048 | 0.0009 | 0.0076 |
|               |               |                         | 184.02   | 185.12 | 1.10   | W933407  | 0.01   | -0.5   | 0.0327 | 0.0018 | 0.0093 |
| <b>185.32</b> | <b>185.32</b> | <b>EOH</b>              |          |        |        |          |        |        |        |        |        |

0

End of Hole @ 185.32

**Project:** Golden Perimeter

**Hole:** GP20-01

|                             |                  |                     |                |                         |             |                          |                          |
|-----------------------------|------------------|---------------------|----------------|-------------------------|-------------|--------------------------|--------------------------|
| <b>Prospect:</b>            | Golden Perimeter | <b>Survey Type:</b> | Trimble R1     | <b>Logged By:</b>       | Kim Hatcher | <b>Hole Type:</b>        | DD                       |
| <b>Datum:</b>               | NAD83            | <b>Survey By:</b>   | Conor McKinley | <b>Date Started:</b>    | 2020-02-28  | <b>Core Size:</b>        | NQ                       |
| <b>Vertical Datum:</b>      |                  | <b>Azimuth:</b>     | 35             | <b>Date Completed:</b>  | 2020-03-04  | <b>Casing Pulled?:</b>   | <input type="checkbox"/> |
| <b>Zone:</b>                | 17N              | <b>Dip:</b>         | -45            | <b>Drill Company:</b>   | Norex       | <b>Casing Depth (m):</b> | 31.2                     |
| <b>UTM East:</b>            | 504255.91258     | <b>Length (m):</b>  | 300            | <b>Drill Started:</b>   | 2020-02-27  | <b>H Core Depth (m):</b> |                          |
| <b>UTM North:</b>           | 5349521.7838     | <b>Comments:</b>    |                | <b>Drill Completed:</b> | 2020-01-03  | <b>N Core Depth (m):</b> | 300                      |
| <b>UTM Elevation (m):</b>   | 261.24862        |                     |                |                         |             | <b>B Core Depth (m):</b> |                          |
| <b>Local Grid:</b>          |                  |                     |                |                         |             |                          |                          |
| <b>Local East:</b>          |                  |                     |                |                         |             |                          |                          |
| <b>Local North:</b>         |                  |                     |                |                         |             |                          |                          |
| <b>Local Elevation (m):</b> |                  |                     |                |                         |             |                          |                          |

| Depth (m) | Survey Method  | Survey By | Date Surveyed | Dip   | Azimuth | Mag. Field | Accept Values?                      | Comments                                                |
|-----------|----------------|-----------|---------------|-------|---------|------------|-------------------------------------|---------------------------------------------------------|
| 0         | Reflex EZ Shot |           |               | -45   | 35      |            | <input checked="" type="checkbox"/> | Dummy survey based on planned dip/azi, Neal Maguire     |
| 42        | Reflex EZ Shot |           |               | -49.7 | 37.2    | 5676       | <input checked="" type="checkbox"/> | Azi calculated from collar and 102m survey Neal Maguire |
| 72        | Reflex EZ Shot |           |               | -49.6 | 38.7    | 5412       | <input checked="" type="checkbox"/> | Azi calculated from collar and 102m survey Neal Maguire |
| 102       | Reflex EZ Shot |           |               | -49.6 | 40.3    | 5506       | <input checked="" type="checkbox"/> | Mag check OK Neal Maguire                               |
| 132       | Reflex EZ Shot |           |               | -49.5 | 41.7    | 5529       | <input checked="" type="checkbox"/> | Mag check OK Neal Maguire                               |
| 162       | Reflex EZ Shot |           |               | -49.4 | 40.5    | 5537       | <input checked="" type="checkbox"/> | Mag check OK Neal Maguire                               |

Hole: GP20-01

| Depth (m) | Survey Method  | Survey By | Date Surveyed | Dip   | Azimuth | Mag. Field | Accept Values?                      | Comments                  |
|-----------|----------------|-----------|---------------|-------|---------|------------|-------------------------------------|---------------------------|
| 192       | Reflex EZ Shot |           |               | -49.3 | 39.7    | 5509       | <input checked="" type="checkbox"/> | Mag check OK Neal Maguire |
| 222       | Reflex EZ Shot |           |               | -49.2 | 39.7    | 5503       | <input checked="" type="checkbox"/> | Mag check OK Neal Maguire |
| 252       | Reflex EZ Shot |           |               | -48.9 | 40.9    | 5495       | <input checked="" type="checkbox"/> | Mag check OK Neal Maguire |
| 282       | Reflex EZ Shot |           |               | -49.2 | 40.5    | 5515       | <input checked="" type="checkbox"/> | Mag check OK Neal Maguire |
| 300       | Reflex EZ Shot |           |               | -48.9 | 38.9    | 5531       | <input checked="" type="checkbox"/> | Mag check OK Neal Maguire |



Hole: GP20-01

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|

|             |              |               |          |  |  |  |  |  |  |  |  |
|-------------|--------------|---------------|----------|--|--|--|--|--|--|--|--|
| <b>0.00</b> | <b>31.20</b> | <b>Casing</b> |          |  |  |  |  |  |  |  |  |
|             |              |               | <b>0</b> |  |  |  |  |  |  |  |  |

Drill hole GP20-01 was designed to twin historic drill hole 280A-18A drilled by Dome Exploration, which reported a narrow intercept of 43 g/t Au over 20 cm within veined and altered monzonite. While this hole did not intersect any anomalous veining at the ~258m target depth that would correlate with hole 280A-18A, several other prospective sulphidic veins and alteration zones were intersected throughout the hole.

Monzodiorite interlayered with komatiite comprises the stratigraphy above and below the main monzonite body. Within the monzonite, pyrite up to 2% is disseminated throughout the rock, and is present as blebs in veins. Alteration, though variable, is mainly moderate to strong, consisting of K-metasomatism, ankerite, and silica, with weaker albite and calcite. Fractures in this sequence are locally coated with specular hematite up to ~2mm. Komatiites in this sequence are massive, and typically moderately serpentinized. They contain trace amounts of fine-grained disseminated pyrite, are locally weakly fuchsite altered around veins, and are locally foliated. These interlayered sequences are thought to be prospective because the rheology contrast between the komatiites, which are relatively soft, and the intrusives, which are relatively hard, could create a fluid conduit at the contacts.

Stratigraphy in the drill hole is dominated by monzonite from 77.9-268.7 meters. Alteration consisting of k-feldspar, calcite, albite, sericite, and silica is weak to moderate in envelopes around veins, locally increasing to strong intensity. Very fine-grained pyrite (and lesser molybdenite) is disseminated throughout the unit, with concentrations up to 2%. Of the multiple vein types in the monzonite, the most prospective are quartz veins that contain bands of fine-grained molybdenite and pyrite, are slightly vuggy, and up to ~10cm thick. Mineralized veins also contain trace amounts of blebby medium-grained (2-3mm) chalcopyrite. These veins comprise ~1% of the volume of the monzonite intersection.

The hole was terminated at 300 meters in massive, carbonate-altered, locally serpentinized komatiite.

|              |              |                                  |            |  |  |  |  |  |  |  |  |
|--------------|--------------|----------------------------------|------------|--|--|--|--|--|--|--|--|
| <b>31.20</b> | <b>35.70</b> | <b>Monzdio(?) KSP FeCarb sil</b> | <b>107</b> |  |  |  |  |  |  |  |  |
|--------------|--------------|----------------------------------|------------|--|--|--|--|--|--|--|--|

Medium pink to orange, medium to coarse grained, moderately to strongly kspars, fecarb, sil +/- ser altered intermediate intrusive (roughly monzodioritic- more lathy plag than alkali fspar though composition debatable).

Thin, locally vuggy, often pyritic and hematitic quartz veining common; cut by minor clear to milky quartz veins and rare blebs. Minor to moderate fine pyrite +/- hem throughout host rock.

Lower contact marked by gradational, distinct decrease in alteration.

<< Min: 31.2 - 35.7: pyrite 2% FG Vein / hematite 1.5% FG Fracture-coating >> Pyrite within thin quartz veinlets and disseminated throughout host rock. Specular hematite coats fractures, earthy hem often with pyrite in qz veins; more rarely disseminated.

<< Alt: 31.2 - 35.7: ksp moderate to strong Pervasive / FeCarb moderate to strong Pervasive / sil weak to moderate Pervasive / ser moderate Halo / alb weak to moderate Halo >> Moderate to strong kspars and iron carb pervasive with slightly varying intensity throughout interval.

Ser +/- alb halo around late quartz veins and quartz bleb at 33.2m. Irregular, 2-8cm patches of stronger sericite alteration throughout.

|       |       |      |         |       |      |        |        |        |
|-------|-------|------|---------|-------|------|--------|--------|--------|
| 32.50 | 33.00 | 0.50 | W934634 | -0.01 | -0.5 | 0.0033 | 0.0009 | 0.0054 |
|-------|-------|------|---------|-------|------|--------|--------|--------|

|       |       |      |         |      |      |        |        |        |
|-------|-------|------|---------|------|------|--------|--------|--------|
| 33.00 | 33.30 | 0.30 | W934635 | 0.22 | -0.5 | 0.0004 | 0.0008 | 0.0034 |
|-------|-------|------|---------|------|------|--------|--------|--------|

|       |       |      |         |      |      |        |        |       |
|-------|-------|------|---------|------|------|--------|--------|-------|
| 33.30 | 34.20 | 0.90 | W934636 | 0.19 | -0.5 | 0.0073 | 0.0013 | 0.003 |
|-------|-------|------|---------|------|------|--------|--------|-------|

Hole: GP20-01

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | To (m)       | Rock Type & Description                     | From (m) | To (m) | Length | Sample #   | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------------------------------|----------|--------|--------|------------|--------|--------|--------|--------|--------|
| <p>&lt;&lt; Vein: 31.2 - 35.7: QVs 2% Planar vuggy/vug (voids) &gt;&gt; Abundant, thin (1-3mm), sub-planar, slightly vuggy quartz py +/- earthy hem veinlets. Cut by 0.5-1cm quartz veins (0.5%). Specular hem within fractures and select veinlet selvages.</p> <p>Average alpha of thinner veinlets (qz+/-py hem) = 47 degrees.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                                             | 34.20    | 34.50  | 0.30   | W934637    | 1.07   | -0.5   | 0.005  | 0.0014 | 0.0034 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |                                             | 34.50    | 34.80  | 0.30   | W934638    | 0.59   | -0.5   | 0.0077 | 0.0012 | 0.0019 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |                                             | 34.80    | 35.30  | 0.50   | W934639    | 0.03   | -0.5   | 0.0045 | 0.0022 | 0.0016 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |                                             | 35.30    | 35.70  | 0.40   | W934641    | 0.01   | -0.5   | 0.0052 | 0.0024 | 0.0045 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |                                             | 35.70    | 37.00  | 1.30   | W934642    | -0.01  | -0.5   | 0.011  | 0.0031 | 0.0101 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |                                             | 37.00    | 37.80  | 0.80   | W934643    | 0.07   | -0.5   | 0.0023 | 0.0018 | 0.005  |
| <b>35.70</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>44.10</b> | <b>Monzidio ksp fecarb +Int Intrsv? Mag</b> |          |        |        | <b>107</b> |        |        |        |        |        |
| <p>Interval of light to medium pink to orange, ksp, fecarb +/- sil ser altered monzidio/monz (similar to previous unit) and medium to darkish purple grey, fine grained, moderately to strongly magnetic, intermediate unit (unclear; likely intrusive). Minor ksp veins and anhedral grains/blebs locally coalesce to form trains within darker unit. Quartz veining often vuggy with hematite selvages and occasional with pyrite grains. Specular hematite-filled fractures common. Minor pyrite disseminated within host or along fractures. LCT gradational into less altered, darker magnetic unit.</p> <p>&lt;&lt; Min: 35.7 - 44.1: pyrite 1% FG Fracture-coating / hematite 2% FG Fracture-coating &gt;&gt; Pyrite within fractures or disseminated in host rock; more rare within qz veins. Specular hematite common in fractures and quartz vein selvages.</p> <p>&lt;&lt; Alt: 35.7 - 44.1: ksp moderate Patchy / FeCarb moderate Patchy / alb moderate Halo / ser weak to moderate Halo / sil weak Patchy / mag moderate to strong Patchy / CaCarb weak to moderate Patchy &gt;&gt; Ksp and FeCarb +/- sil within monzidio, ksp weaker within darker magnetic unit. Weak sil associated with ksp/fecarb. Albitized/sericitized vein halo at 38.7m. Weak calcite patchy within altered unit and more pervasive in matrix of darker unit.</p> <p>&lt;&lt; Vein: 35.7 - 44.1: QVs 1.5% FG Planar vuggy/vug (voids) / CVs 0.5% FG Planar massive / KVs 0.5% MG Irregular/Blebbly / QCVs 1% FG Planar vuggy/vug (voids) &gt;&gt; Thin (1-2mm) quartz veinlets, often with hematite selvages, host very minor pyrite in select sections. Thicker (0.4-1cm), locally mildly vuggy quartz and quartz-carb veins often associated with sections of increased alteration ( ksp, fecarb +/- alb, ser). Thin calcite veinlets throughout. Minor ksp +/- carb/qz veining.</p> |              |                                             | 37.80    | 38.70  | 0.90   | W934644    | -0.01  | -0.5   | 0.0023 | 0.0033 | 0.0069 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |                                             | 38.70    | 39.00  | 0.30   | W934645    | -0.01  | -0.5   | 0.0015 | 0.0019 | 0.0055 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |                                             | 39.00    | 39.40  | 0.40   | W934646    | -0.01  | -0.5   | 0.0016 | 0.0021 | 0.0061 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |                                             | 39.40    | 40.70  | 1.30   | W934647    | 0.04   | -0.5   | 0.0089 | 0.0027 | 0.0084 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |                                             | 40.70    | 41.40  | 0.70   | W934648    | 0.01   | -0.5   | 0.0102 | 0.0031 | 0.0069 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |                                             | 41.40    | 42.70  | 1.30   | W934649    | 0.09   | -0.5   | 0.0021 | 0.0019 | 0.0068 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |                                             | 42.70    | 43.10  | 0.40   | W934651    | 0.06   | -0.5   | 0.0028 | 0.0015 | 0.0027 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |                                             | 43.10    | 43.80  | 0.70   | W934652    | 0.01   | -0.5   | 0.0037 | 0.004  | 0.0017 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |                                             | 43.80    | 44.10  | 0.30   | W934653    | 0.01   | 2.3    | 0.0143 | 0.0094 | 0.0046 |

Hole: GP20-01

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|

**44.10 49.50 Int Intrusive fg mag ((ksp)) 125**

Same previous medium to darkish purply grey, fine grained, moderately to strongly magnetic, intermediate intrusive (? Contacts unclear, matches historic log) unit.

Mildly vuggy quartz/quartz-carb veins have pyritic/kspar altered envelopes. Minor kspar veins and coalesced anhedral grains/blebs.

LCT gradational into more strongly ksp altered unit.

<< Min: 44.1 - 45: pyrite 2.5% FG Disseminated / hematite 1.5% FG Fracture-coating >> Pyrite within veins and envelopes; finer disseminations throughout host rock. Specular hematite within fractures and along select vein selvages.

<< Min: 45 - 49.5: pyrite 0.75% FG Disseminated / hematite 1% FG Fracture-coating >> Noticeable decrease in pyrite within host rock; concentrated near qz-carb veins.

<< Alt: 44.1 - 49.5: mag moderate to strong Pervasive / ksp weak to moderate Selective / CaCarb weak to moderate Patchy / FeCarb weak to moderate Patchy >> Faint ksp halo around select thin carb veinlets, stronger around thicker quartz/quartz-carb +/- pyrite veins.

<< Vein: 44.1 - 49.5: CVs 2.5% FG Planar vuggy/vug (voids) / QVs 0.5% FG Planar vuggy/vug (voids) / QCVs 0.5% FG Planar vuggy/vug (voids) / KVs 1.5% MG Planar massive >> Moderately vuggy, sub-planar quartz and quartz-carbonate veins with kspar halos and or selvages host minor to moderate fine pyrite.

Sub-planar kspar veins locally contain minor quartz/carb.

Thin, planar, occasionally slightly vuggy carbonate veinlets throughout.

|       |       |      |         |       |      |        |        |        |
|-------|-------|------|---------|-------|------|--------|--------|--------|
| 44.10 | 45.00 | 0.90 | W934654 | -0.01 | -0.5 | 0.0125 | 0.0038 | 0.0133 |
| 45.00 | 46.10 | 1.10 | W934655 | -0.01 | -0.5 | 0.0036 | 0.0048 | 0.0139 |
| 46.10 | 46.90 | 0.80 | W934656 | -0.01 | -0.5 | 0.0115 | 0.0059 | 0.0112 |
| 46.90 | 47.30 | 0.40 | W934657 | -0.01 | -0.5 | 0.0083 | 0.0066 | 0.0102 |
| 47.30 | 47.80 | 0.50 | W934658 | -0.01 | -0.5 | 0.0037 | 0.0067 | 0.0126 |
| 47.80 | 48.90 | 1.10 | W934659 | -0.01 | -0.5 | 0.003  | 0.0054 | 0.0151 |
| 48.90 | 49.50 | 0.60 | W934661 | -0.01 | -0.5 | 0.0115 | 0.0109 | 0.0152 |
| 49.50 | 49.90 | 0.40 | W934662 | -0.01 | -0.5 | 0.0103 | 0.0103 | 0.0067 |

**49.50 51.20 Monzidio(?) mg-cg Ksp + Int Intrsv 107**

Medium to dark pink, moderately to strongly kspar altered, medium to coarse grained, monzodiorite (? Dominated by medium to coarse plag laths). Intrudes medium to dark grey, weakly to moderately ksp altered, magnetic, fine grained intermediate intrusive (same as previous unit). Irregular contacts between units, relatively shallow TCA throughout interval.

Sharp LCT with komatiite (very steep TCA).

Hole: GP20-01

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | To (m)       | Rock Type & Description       | From (m)     | To (m)       | Length      | Sample #       | Au ppm       | Ag ppm      | Cu pct        | Pb pct        | Zn pct       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------------|--------------|--------------|-------------|----------------|--------------|-------------|---------------|---------------|--------------|
| <p>&lt;&lt; Min: 49.5 - 51.2: pyrite 1% FG Disseminated / hematite 1% FG Fracture-coating &gt;&gt; Minor pyrite within select veins or finely disseminated. Occasional hem selvage along veins.</p>                                                                                                                                                                                                                                                                                                 |              |                               | 49.90        | 50.40        | 0.50        | W934663        | 0.03         | -0.5        | 0.0048        | 0.0043        | 0.0024       |
| <p>&lt;&lt; Alt: 49.5 - 51.2: ksp moderate to strong Selective / CaCarb weak Patchy / ser moderate Patchy / mag weak to moderate Patchy / FeCarb weak to moderate Patchy &gt;&gt; Ksp strong in coarser intrusive. Mag stronger in less ksp altered sections.<br/>Small (1-2cm) irregular patches of strong grey sericite alteration.</p>                                                                                                                                                           |              |                               | 50.40        | 50.80        | 0.40        | W934664        | 0.44         | -0.5        | 0.0347        | 0.0024        | 0.009        |
| <p>&lt;&lt; Vein: 49.5 - 51.2: QVs 2% FG Planar massive / QCVs 1.5% MG Planar vuggy/vug (voids) / KVs 1% MG sheared massive &gt;&gt; Strong k-metasomatism adjacent to quartz and quartz carb veins. Kspar veins appear extensional at 50.3m (see photo).</p>                                                                                                                                                                                                                                       |              |                               | 50.80        | 51.20        | 0.40        | W934665        | 0.01         | 1.9         | 0.0148        | 0.0121        | 0.0036       |
| <b>51.20</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>65.50</b> | <b>Kom Msv (/bx) ((serp))</b> | <b>51.20</b> | <b>52.10</b> | <b>0.90</b> | <b>W934667</b> | <b>-0.01</b> | <b>-0.5</b> | <b>0.0041</b> | <b>0.0005</b> | <b>0.005</b> |
| <p>Medium to dark green, fine grained, carbonate and serpentine altered komatiite. Massive with several large brecciated sections from network carb +/- serp veining. Mottled texture throughout (carb). Minor pyrite within select carb veins. Potentially weakly fuchsitic adjacent to k-metasomatized dyke at 58.1-58.3m. Sharp, chl +/- serp enriched LCT.</p>                                                                                                                                  |              |                               | 52.10        | 52.60        | 0.50        | W934668        | -0.01        | -0.5        | 0.0022        | -0.0002       | 0.0046       |
| <p>&lt;&lt; Min: 51.2 - 65.5: pyrite 0.3% FG Disseminated &gt;&gt; Trace to minor fg pyrite disseminated in host. Minor fine to medium subhedral cubes within select veins.</p>                                                                                                                                                                                                                                                                                                                     |              |                               | 52.60        | 53.40        | 0.80        | W934669        | -0.01        | -0.5        | 0.0019        | 0.0005        | 0.0047       |
| <p>&lt;&lt; Alt: 51.2 - 65.5: CaCarb weak to moderate Pervasive / serp weak to moderate Selective / FeCarb weak to moderate Patchy / ksp moderate Selective / fuch weak Halo / mag moderate Patchy &gt;&gt; FeCarb alters carbonate near some veins, especially in brecciated sections. Serpentine within fractures and select carb veins. Ksp moderate to strong in dyke at 58.1-58.3m; weaker patches in second half of interval.<br/>Increased carb and potentially fuchsitic at 57.5-58.9m.</p> |              |                               | 53.40        | 54.00        | 0.60        | W934671        | -0.01        | -0.5        | 0.0021        | 0.0007        | 0.0042       |
| <p>&lt;&lt; Vein: 51.2 - 55.1: CVs 5% FG Planar massive &gt;&gt; Thicker 1-3cm carbonate veins at two approximate orientations: ~25 and 45 degrees (no OM for beta). Thinner carbonate +/- serp-filled fracture network towards end of interval.</p>                                                                                                                                                                                                                                                |              |                               | 54.00        | 55.10        | 1.10        | W934672        | -0.01        | -0.5        | 0.0035        | 0.0007        | 0.0047       |
| <p>&lt;&lt; Vein: 55.1 - 65.5: CVs 7% FG massive / QCVs 1% FG Irregular/Blebby vuggy/vug (voids) &gt;&gt; Planar to irregular carb veining; carb +/- serp veinlets/fractures locally brecciate host. Minor, weakly vuggy quartz-carb veining within brecciated sections.</p>                                                                                                                                                                                                                        |              |                               | 55.10        | 56.30        | 1.20        | W934673        | -0.01        | -0.5        | 0.0024        | 0.0007        | 0.0054       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |                               | 56.30        | 57.50        | 1.20        | W934674        | -0.01        | -0.5        | 0.0033        | 0.0009        | 0.0062       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |                               | 57.50        | 58.10        | 0.60        | W934675        | -0.01        | -0.5        | 0.005         | 0.0006        | 0.0082       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |                               | 58.10        | 58.30        | 0.20        | W934676        | 0.03         | 12.7        | 0.0095        | 0.119         | 0.0038       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |                               | 58.30        | 58.90        | 0.60        | W934677        | -0.01        | -0.5        | 0.0026        | 0.0003        | 0.007        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |                               | 64.90        | 65.50        | 0.60        | W934678        | -0.01        | -0.5        | 0.0041        | 0.0006        | 0.0056       |

Hole: GP20-01

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | To (m)       | Rock Type & Description                  | From (m)   | To (m) | Length | Sample # | Au ppm  | Ag ppm | Cu pct | Pb pct | Zn pct |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------------------|------------|--------|--------|----------|---------|--------|--------|--------|--------|--------|
| <b>65.50</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>69.20</b> | <b>Monzdio ((ksp)) + (monz)(kom fol)</b> | <b>107</b> | 65.50  | 66.00  | 0.50     | W934679 | -0.01  | -0.5   | 0.0026 | 0.0019 | 0.005  |
| <p>Purplish grey, fine to medium grained, weakly ksp altered monzodiorite with several lenses of foliated komatiite and ksp altered monzonite. Minor pyrite disseminated throughout.<br/>LCT broken.</p> <p>&lt;&lt; Min: 65.5 - 69.2: pyrite 1% FG Disseminated &gt;&gt; Pyrite mainly disseminated throughout monzodiorite and within monzonite dykes; occasionally filling fractures.</p> <p>&lt;&lt; Alt: 65.5 - 69.2: ksp weak to moderate Patchy / FeCarb weak Selective / CaCarb weak to moderate Patchy / alb weak to moderate Halo / mag moderate Patchy / serp weak to moderate Selective &gt;&gt; Weak to moderate ksp throughout host monzodiorite, strong within monzonite dykes (+fecarb). Serp within komatiite lenses. Albite halos around select veins and uphole of lense/dyke at 65.9m. Mag variable within host monzodiorite.</p> <p>&lt;&lt; Vein: 65.5 - 69.2: KVs 0.5% FG Irregular/Blebby vuggy/vug (voids) / CVs 1% FG Planar vuggy/vug (voids) / QVs 0.5% FG Planar &gt;&gt; Occasional planar to irregular, slightly vuggy ksp veinlets in upper half of interval. Minor ksp in weakly vuggy carb veinlets. Rare late clear quartz vein.</p> |              |                                          |            |        |        |          |         |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                                          |            | 66.00  | 66.60  | 0.60     | W934681 | -0.01  | -0.5   | 0.0014 | 0.001  | 0.0096 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                                          |            | 66.60  | 67.10  | 0.50     | W934682 | -0.01  | -0.5   | 0.0013 | 0.0016 | 0.0115 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                                          |            | 67.10  | 68.00  | 0.90     | W934683 | -0.01  | -0.5   | 0.006  | 0.0016 | 0.0122 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                                          |            | 68.00  | 68.30  | 0.30     | W934684 | -0.01  | -0.5   | 0.0097 | 0.0018 | 0.0078 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                                          |            | 68.30  | 69.20  | 0.90     | W934685 | -0.01  | -0.5   | 0.013  | 0.0019 | 0.0063 |
| <b>69.20</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>77.90</b> | <b>Kom Msv (fol) (serp)</b>              | <b>10</b>  | 69.20  | 69.60  | 0.40     | W934686 | -0.01  | -0.5   | 0.0035 | 0.0005 | 0.0087 |
| <p>Medium to dark green, fine grained, commonly foliated, carb and serpentine altered komatiite (resembles ultramafic unit at 51.2-65.5m; slightly more serpentized, less brecciated). Abundant carb +/- chl serp veining throughout. Veining and pyrite increase within foliated sections which often occur near contacts.<br/>LCT broken/veined.</p> <p>&lt;&lt; Min: 69.2 - 77.9: pyrite 0.6% FG Disseminated &gt;&gt; Fine pyrite concentrated within foliated sections. Less abundantly disseminated throughout.</p> <p>&lt;&lt; Alt: 69.2 - 77.9: serp moderate Selective / CaCarb moderate Patchy / FeCarb weak to moderate Patchy / mag moderate Patchy &gt;&gt; Similar to previous komatiite unit, fractures/veins slightly more serpentized.</p> <p>&lt;&lt; Vein: 69.2 - 77.9: CVs 10% FG vuggy/vug (voids) / QCVs 2% FG massive &gt;&gt; Sub-planar, occasionally very weakly vuggy carb veining abundant throughout.<br/>Sub-planar to irregular, white quartz +/- carb veins within more foliated sections. Chl +/- serp selvages common in both vein types.</p>                                                                                         |              |                                          |            |        |        |          |         |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                                          |            | 74.90  | 75.30  | 0.40     | W934687 | -0.01  | -0.5   | 0.0035 | 0.0006 | 0.0098 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                                          |            | 75.30  | 75.60  | 0.30     | W934688 | -0.01  | -0.5   | 0.0054 | 0.0012 | 0.0075 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                                          |            | 75.60  | 76.40  | 0.80     | W934689 | -0.01  | -0.5   | 0.0019 | 0.0004 | 0.0071 |

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| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | To (m)        | Rock Type & Description             | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                     | 76.40    | 76.90  | 0.50   | W934691  | -0.01  | -0.5   | 0.0018 | 0.0006 | 0.0086 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                     | 76.90    | 77.90  | 1.00   | W934692  | 0.01   | -0.5   | 0.0095 | 0.0006 | 0.0078 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                     | 77.90    | 78.50  | 0.60   | W934693  | 0.01   | -0.5   | 0.0114 | 0.0007 | 0.0042 |
| <b>77.90</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>78.50</b>  | <b>Monz Altd ksp alb fecarb ser</b> |          |        |        |          |        |        |        |        |        |
| <p>Light beige-ish pink, fine to medium grained, moderately to strongly kspar, albite, sericite and carb altered monzonite. Alteration pervasive throughout, blurring alkali fspar and plag grain boundaries. Green carb towards margins of interval. Thick quartz vein at upper contact. Very fine to fine pyrite disseminated throughout. LCT gradational into less altered monzonite.</p> <p>&lt;&lt; Min: 77.9 - 78.5: pyrite 2% FG Disseminated &gt;&gt;</p> <p>&lt;&lt; Alt: 77.9 - 78.5: ksp moderate Pervasive / FeCarb weak to moderate Pervasive / ser weak to moderate Pervasive / alb moderate Pervasive / sil weak Pervasive &gt;&gt; Sericite stronger within matrix.</p> <p>&lt;&lt; Vein: 77.9 - 78.5: QVs 10% massive &gt;&gt; Thick quartz vein at upper contact.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |                                     |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                     | 78.50    | 79.70  | 1.20   | W934694  | 0.12   | -0.5   | 0.0075 | 0.0028 | 0.0069 |
| <b>78.50</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>210.50</b> | <b>Monz (Q(C)Vs) ((mo))</b>         |          |        |        |          |        |        |        |        |        |
| <p>Unaltered equivalent of previous unit. Medium grey to green matrix with crowded pink to white subhedral to anhedral alkali fspar +/- plag phenocrysts. Occasional quartz and quartz-carb veins host pyrite, or more rarely molybdenite (+/- gal?). Alteration halo (alb/ser/carb +/- ksp) common around veins. Minor disseminated pyrite. Occasional dark grey magnetic mafic xenolith. LCT defined by gradational increase in alteration.</p> <p>&lt;&lt; Min: 78.5 - 210.5: pyrite 1% FG Halo / chalcopyrite 0.01% MG Blebby / molybdenite 0.05% VFG Fracture-coating / galena 0.01% VFG Fracture-coating / hematite 0.5% FG Fracture-coating &gt;&gt; Disseminated pyrite increases adjacent to quartz/quartz +/- carb veins. Commonly within fractures. Trace to minor very fine grained molybdenite (+/- darker grey, fg metallic mineral-gal?) occasionally associated with pyrite in vein selvages or vugs. Minor specular hem within fractures, more rarely in selvages or disseminated in host rock.</p> <p>Blebby cpy in quartz vein at 78.8m.</p> <p>&lt;&lt; Alt: 78.5 - 210.5: ksp weak Selective / alb weak to moderate Halo / ser weak to moderate Halo / FeCarb weak to moderate Selective / mag weak to moderate Patchy / CaCarb weak to moderate Patchy &gt;&gt; Interstitial carbonate. Ksp weakly alters some fspar phenos or creates thin (0.5-1cm) halo around select veins. Broader Albitized/sericitized/carbonatized halo around quartz/quartz-carb +/- py/sulphide veins. Alteration halos non-magnetic.</p> |               |                                     |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                     | 79.70    | 79.90  | 0.20   | W934695  | 0.52   | -0.5   | 0.111  | 0.0028 | 0.0052 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                     | 79.90    | 80.50  | 0.60   | W934696  | 0.02   | -0.5   | 0.0064 | 0.0023 | 0.0069 |

Hole: GP20-01

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | To (m) | Rock Type & Description | From (m) | To (m) | Length  | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------|----------|--------|---------|----------|--------|--------|--------|--------|--------|
| <p>&lt;&lt; Vein: 78.5 - 210.5: QVs 1% FG Planar vuggy/vug (voids) / QVMs 0.5% FG Planar vuggy/vug (voids) / QCVs 1.5% FG Planar coxcomb (parallel growth, prismatic) / CVs 3% FG Planar vuggy/vug (voids) &gt;&gt; Thin (~0.5-1cm), vuggy white to pink carb and white to clear quartz and quartz-carb veins often host fine to medium pyrite (+/- tr Mo) along margins/within vugs.<br/>           Thicker (~2-10cm) massive to locally slightly vuggy white quartz veins locally contain strands of pyrite +/- mo, and more rarely a darker grey metallic mineral (gal?) within vein or along selvage - if significant (&gt;trace) called QVM to differentiate from barren veins. Quartz/quartz-carb veins locally exhibit comb texture.<br/>           Rare cpy/mo within vein margins,selvages or vugs; often associated with sparse smoky quartz.</p> |        |                         | 80.50    | 80.80  | 0.30    | W934697  | -0.01  | -0.5   | 0.006  | 0.0033 | 0.0063 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 80.80  |                         | 81.80    | 1.00   | W934698 | -0.01    | -0.5   | 0.0026 | 0.0026 | 0.0066 |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 81.80  |                         | 82.60    | 0.80   | W934701 | 0.03     | -0.5   | 0.0134 | 0.003  | 0.0076 |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 82.60  |                         | 84.10    | 1.50   | W934702 | -0.01    | -0.5   | 0.0026 | 0.0026 | 0.0077 |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 84.10  |                         | 84.70    | 0.60   | W934703 | 0.16     | 1.7    | 0.0053 | 0.0134 | 0.0059 |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 84.70  |                         | 85.70    | 1.00   | W934704 | -0.01    | 1.9    | 0.0047 | 0.013  | 0.0076 |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 85.70  |                         | 86.40    | 0.70   | W934705 | 0.02     | -0.5   | 0.0063 | 0.0027 | 0.0053 |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 93.20  |                         | 93.70    | 0.50   | W934706 | 0.71     | -0.5   | 0.0071 | 0.0026 | 0.0066 |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 97.90  |                         | 98.30    | 0.40   | W934707 | 0.75     | -0.5   | 0.0033 | 0.0034 | 0.0064 |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 98.30  |                         | 99.10    | 0.80   | W934708 | 1.32     | 0.8    | 0.0072 | 0.0032 | 0.0051 |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 99.10  |                         | 100.10   | 1.00   | W934709 | 0.23     | -0.5   | 0.0215 | 0.0029 | 0.0064 |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 111.10 |                         | 111.40   | 0.30   | W934711 | -0.01    | 0.8    | 0.0104 | 0.0095 | 0.0066 |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 111.40 |                         | 112.70   | 1.30   | W934712 | -0.01    | -0.5   | 0.0104 | 0.0046 | 0.0074 |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 112.70 |                         | 114.00   | 1.30   | W934713 | 0.45     | -0.5   | 0.0067 | 0.0069 | 0.0072 |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 114.00 |                         | 114.80   | 0.80   | W934714 | 0.31     | 1.3    | 0.009  | 0.015  | 0.0075 |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 114.80 |                         | 115.20   | 0.40   | W934715 | 0.08     | 29.4   | 0.003  | 0.25   | 0.003  |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 115.20 |                         | 116.00   | 0.80   | W934716 | 0.01     | 0.7    | 0.0055 | 0.0095 | 0.0067 |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 116.00 |                         | 116.30   | 0.30   | W934717 | 0.54     | -0.5   | 0.0046 | 0.0063 | 0.0077 |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 116.30 |                         | 116.60   | 0.30   | W934718 | 0.26     | 4.6    | 0.0029 | 0.0375 | 0.005  |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 116.60 |                         | 117.50   | 0.90   | W934719 | 0.01     | -0.5   | 0.005  | 0.0042 | 0.0074 |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 117.50 |                         | 119.00   | 1.50   | W934721 | -0.01    | -0.5   | 0.0051 | 0.0033 | 0.0076 |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 119.00 |                         | 120.50   | 1.50   | W934722 | 0.03     | -0.5   | 0.0045 | 0.0039 | 0.0071 |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 120.50 |                         | 121.10   | 0.60   | W934723 | 0.25     | 0.9    | 0.0033 | 0.0029 | 0.0041 |        |

Hole: GP20-01

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|          |        |                         | 121.10   | 122.10 | 1.00   | W934724  | 0.02   | -0.5   | 0.0032 | 0.003  | 0.0067 |
|          |        |                         | 122.10   | 122.40 | 0.30   | W934725  | -0.01  | -0.5   | 0.0048 | 0.0053 | 0.0069 |
|          |        |                         | 122.40   | 123.90 | 1.50   | W934726  | 0.02   | -0.5   | 0.0062 | 0.0028 | 0.0077 |
|          |        |                         | 123.90   | 125.40 | 1.50   | W934727  | 0.01   | 0.8    | 0.0046 | 0.0092 | 0.0081 |
|          |        |                         | 125.40   | 126.80 | 1.40   | W934728  | -0.01  | -0.5   | 0.0063 | 0.0022 | 0.008  |
|          |        |                         | 126.80   | 127.20 | 0.40   | W934729  | 0.51   | -0.5   | 0.0055 | 0.0024 | 0.0063 |
|          |        |                         | 127.20   | 128.70 | 1.50   | W934731  | -0.01  | -0.5   | 0.0046 | 0.0022 | 0.0079 |
|          |        |                         | 128.70   | 129.00 | 0.30   | W934732  | 0.01   | 0.6    | 0.0047 | 0.0074 | 0.0071 |
|          |        |                         | 129.00   | 129.60 | 0.60   | W934734  | -0.01  | -0.5   | 0.005  | 0.0015 | 0.0078 |
|          |        |                         | 129.60   | 130.70 | 1.10   | W934735  | 0.27   | -0.5   | 0.0092 | 0.0014 | 0.0074 |
|          |        |                         | 135.00   | 135.50 | 0.50   | W934736  | -0.01  | -0.5   | 0.0081 | 0.003  | 0.0067 |
|          |        |                         | 137.50   | 137.90 | 0.40   | W934737  | 1.86   | 1.4    | 0.0035 | 0.0058 | 0.0067 |
|          |        |                         | 140.40   | 140.80 | 0.40   | W934738  | -0.01  | -0.5   | 0.0038 | 0.0071 | 0.0076 |
|          |        |                         | 143.20   | 144.00 | 0.80   | W934739  | -0.01  | -0.5   | 0.004  | 0.0028 | 0.0054 |
|          |        |                         | 144.00   | 144.70 | 0.70   | W934741  | 0.11   | -0.5   | 0.0024 | 0.0018 | 0.006  |
|          |        |                         | 144.70   | 145.40 | 0.70   | W934742  | 0.46   | -0.5   | 0.0028 | 0.002  | 0.0051 |
|          |        |                         | 152.30   | 152.80 | 0.50   | W934743  | 0.25   | 1.3    | 0.0056 | 0.0172 | 0.0051 |
|          |        |                         | 152.80   | 154.20 | 1.40   | W934744  | 0.03   | -0.5   | 0.0036 | 0.0028 | 0.0063 |
|          |        |                         | 154.20   | 154.80 | 0.60   | W934745  | 0.12   | 1.3    | 0.0037 | 0.0055 | 0.0043 |
|          |        |                         | 154.80   | 155.30 | 0.50   | W934746  | 0.08   | 9.5    | 0.0089 | 0.0108 | 0.0026 |
|          |        |                         | 155.30   | 156.00 | 0.70   | W934747  | 0.01   | -0.5   | 0.0047 | 0.002  | 0.0059 |
|          |        |                         | 158.30   | 158.80 | 0.50   | W934748  | -0.01  | -0.5   | 0.0016 | 0.0025 | 0.007  |
|          |        |                         | 158.80   | 159.70 | 0.90   | W934749  | 0.01   | -0.5   | 0.0018 | 0.0025 | 0.0061 |
|          |        |                         | 159.70   | 160.40 | 0.70   | W934751  | 0.02   | -0.5   | 0.0046 | 0.0024 | 0.0061 |
|          |        |                         | 162.70   | 163.10 | 0.40   | W934752  | 0.11   | 9.3    | 0.0044 | 0.0527 | 0.0063 |
|          |        |                         | 165.20   | 165.70 | 0.50   | W934753  | 0.01   | -0.5   | 0.0039 | 0.0024 | 0.0062 |
|          |        |                         | 169.90   | 170.20 | 0.30   | W934754  | 6.27   | -0.5   | 0.0035 | 0.0026 | 0.0051 |
|          |        |                         | 170.20   | 170.80 | 0.60   | W934755  | 0.32   | -0.5   | 0.0044 | 0.0022 | 0.0053 |



Hole: GP20-01

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|          |        |                         | 173.90   | 174.20 | 0.30   | W934756  | 0.06   | -0.5   | 0.0021 | 0.0047 | 0.0057 |
|          |        |                         | 177.00   | 178.10 | 1.10   | W934757  | 0.01   | -0.5   | 0.0059 | 0.0029 | 0.0068 |
|          |        |                         | 178.10   | 178.60 | 0.50   | W934758  | 0.13   | -0.5   | 0.0007 | 0.001  | 0.005  |
|          |        |                         | 178.60   | 180.10 | 1.50   | W934759  | 0.02   | -0.5   | 0.0036 | 0.0018 | 0.006  |
|          |        |                         | 180.10   | 180.70 | 0.60   | W934761  | 0.25   | -0.5   | 0.0006 | 0.0011 | 0.0043 |
|          |        |                         | 180.70   | 181.40 | 0.70   | W934762  | 0.05   | -0.5   | 0.0055 | 0.0007 | 0.0048 |
|          |        |                         | 181.40   | 182.00 | 0.60   | W934763  | 0.35   | 0.9    | 0.0028 | 0.0053 | 0.0031 |
|          |        |                         | 182.00   | 183.50 | 1.50   | W934764  | 0.01   | -0.5   | 0.0059 | 0.0026 | 0.0063 |
|          |        |                         | 183.50   | 185.00 | 1.50   | W934765  | -0.01  | -0.5   | 0.0036 | 0.0025 | 0.0067 |
|          |        |                         | 185.00   | 186.00 | 1.00   | W934767  | 1.55   | -0.5   | 0.0059 | 0.0023 | 0.0057 |
|          |        |                         | 189.40   | 190.00 | 0.60   | W934768  | 0.62   | -0.5   | 0.003  | 0.0042 | 0.0058 |
|          |        |                         | 190.00   | 190.80 | 0.80   | W934769  | -0.01  | -0.5   | 0.0031 | 0.0029 | 0.0069 |
|          |        |                         | 190.80   | 192.00 | 1.20   | W934771  | 0.01   | -0.5   | 0.0045 | 0.0064 | 0.0064 |
|          |        |                         | 192.00   | 192.50 | 0.50   | W934772  | 0.04   | -0.5   | 0.0036 | 0.0036 | 0.0062 |
|          |        |                         | 192.50   | 192.90 | 0.40   | W934773  | 0.01   | -0.5   | 0.0031 | 0.0041 | 0.0082 |
|          |        |                         | 198.00   | 199.50 | 1.50   | W934774  | 0.02   | -0.5   | 0.0027 | 0.0032 | 0.007  |
|          |        |                         | 199.50   | 200.30 | 0.80   | W934775  | 0.39   | -0.5   | 0.0118 | 0.0028 | 0.0062 |
|          |        |                         | 204.20   | 204.70 | 0.50   | W934776  | 0.6    | -0.5   | 0.0035 | 0.0021 | 0.0058 |
|          |        |                         | 204.70   | 206.20 | 1.50   | W934777  | 0.01   | -0.5   | 0.0026 | 0.0028 | 0.0066 |
|          |        |                         | 206.20   | 207.30 | 1.10   | W934778  | 0.02   | 1.1    | 0.0072 | 0.0129 | 0.007  |
|          |        |                         | 207.30   | 207.80 | 0.50   | W934779  | 0.51   | 0.6    | 0.0153 | 0.0071 | 0.0054 |
|          |        |                         | 207.80   | 209.10 | 1.30   | W934781  | 0.07   | -0.5   | 0.0063 | 0.003  | 0.0069 |
|          |        |                         | 209.10   | 210.50 | 1.40   | W934782  | -0.01  | -0.5   | 0.0059 | 0.0023 | 0.0068 |

Hole: GP20-01

| From (m) | To (m) | Rock Type & Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| 210.50   | 227.90 | <b>Monz Altd ksp ser carb (alb) (QVs)</b><br><b>106</b><br>Altered version of previous unit. Varying intensity of ksp, sericite, carbonate and albite alteration; fluid likely from sparse, thick (~4-8cm) quartz +/- carb veins. Alteration blurs fspar grain boundaries, creating fuzzy to mottled texture. Pyrite within fractures, vein margins and disseminated throughout. Dark chl-filled fractures common. Rare trace mo +/- gal in vein selvages. Fairly broken throughout first half of interval.                                                                                 | 210.50   | 211.60 | 1.10   | W934783  | -0.01  | -0.5   | 0.0031 | 0.0013 | 0.0065 |
|          |        | LCT gradational into unaltered monzonite.<br><< Min: 210.5 - 227.9: pyrite 2.5% FG Halo / molybdenite 0.1% VFG Fracture-coating / hematite 0.1% VFG Fracture-coating / galena 0.05% VFG Fracture-coating >> Abundant disseminated pyrite; increased concentration in vein envelopes. Medium to locally coarse subhedral pyrite grains/blebs within thicker quartz vein margins. Fine grained subhedral to euhedral cubes within fractures.<br><br>Trace molybdenite (+/- gal?) associated with pyrite in select selvages; more rare within veins.<br><br>Rare specular hem-coated fracture. | 211.60   | 212.70 | 1.10   | W934784  | 0.11   | -0.5   | 0.0193 | 0.0013 | 0.0063 |
|          |        | << Alt: 210.5 - 227.9: ksp moderate to strong Patchy / ser moderate to strong Patchy / FeCarb moderate Patchy / alb moderate Halo / CaCarb weak to moderate Patchy / sil weak Patchy / mag weak to moderate Patchy >> Ser and carb mostly interstitial; intensity increases adjacent to veins. K-metasomatism of fspar phenos. Albitized (+/- ksp) vein halos. Some vein halos weakly silicified. Strong vein envelopes non-magnetic.                                                                                                                                                       | 212.70   | 213.00 | 0.30   | W934785  | 0.01   | -0.5   | 0.0053 | 0.0027 | 0.0051 |
|          |        | << Vein: 210.5 - 227.9: QVs 1% CG Planar massive / QCVs 2% MG Planar vuggy/vug (voids) / CVs 2% FG Planar vuggy/vug (voids) >> Sparse thick 4-8cm milky to smoky quartz and quartz-carb veins with strong alteration halos and variable pyrite +/- mo selvages or more rarely within vein margin. Dark chl selvages. Thinner (~1cm) quartz and quartz-carb veins have weaker, narrower alt halos; internal structure often vuggy, more rarely comb. Thin vuggy carb +/- rhod veinlets/fractures often coated with minor pyrite.                                                             | 213.00   | 214.00 | 1.00   | W934786  | -0.01  | -0.5   | 0.0068 | 0.0023 | 0.0078 |
|          |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 214.00   | 214.90 | 0.90   | W934787  | -0.01  | -0.5   | 0.0077 | 0.0023 | 0.0071 |
|          |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 214.90   | 215.30 | 0.40   | W934788  | -0.01  | -0.5   | 0.0119 | 0.0011 | 0.0062 |
|          |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 215.30   | 215.70 | 0.40   | W934789  | 0.1    | -0.5   | 0.0252 | 0.0011 | 0.0039 |
|          |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 215.70   | 215.90 | 0.20   | W934790  | 0.13   | 0.5    | 0.003  | 0.0008 | 0.0023 |
|          |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 215.90   | 216.10 | 0.20   | W934791  | 10.3   | 42.8   | 0.0042 | 0.066  | 0.0025 |
|          |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 216.10   | 216.60 | 0.50   | W934792  | 0.97   | 0.5    | 0.0043 | 0.0025 | 0.005  |
|          |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 216.60   | 217.60 | 1.00   | W934793  | 0.03   | -0.5   | 0.0041 | 0.0015 | 0.0053 |
|          |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 217.60   | 218.50 | 0.90   | W934794  | -0.01  | -0.5   | 0.0027 | 0.002  | 0.0085 |
|          |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 218.50   | 219.00 | 0.50   | W934795  | -0.01  | -0.5   | 0.0067 | 0.0017 | 0.0066 |

Hole: GP20-01

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| 219.00   | 220.20 |                         | 219.00   | 220.20 | 1.20   | W934796  | -0.01  | -0.5   | 0.0042 | 0.0032 | 0.0079 |
| 220.20   | 221.20 |                         | 220.20   | 221.20 | 1.00   | W934797  | -0.01  | -0.5   | 0.0035 | 0.0024 | 0.0071 |
| 221.20   | 221.60 |                         | 221.20   | 221.60 | 0.40   | W934798  | 0.26   | -0.5   | 0.0022 | 0.0019 | 0.0058 |
| 221.60   | 222.30 |                         | 221.60   | 222.30 | 0.70   | W934801  | -0.01  | -0.5   | 0.003  | 0.0017 | 0.0062 |
| 222.30   | 222.90 |                         | 222.30   | 222.90 | 0.60   | W934802  | 0.19   | -0.5   | 0.0044 | 0.002  | 0.0061 |
| 222.90   | 223.50 |                         | 222.90   | 223.50 | 0.60   | W934803  | 0.93   | 2.2    | 0.0026 | 0.0056 | 0.0062 |
| 223.50   | 224.10 |                         | 223.50   | 224.10 | 0.60   | W934804  | 0.05   | -0.5   | 0.003  | 0.0022 | 0.007  |
| 224.10   | 225.00 |                         | 224.10   | 225.00 | 0.90   | W934805  | 0.3    | 0.5    | 0.0028 | 0.0017 | 0.0063 |
| 225.00   | 225.60 |                         | 225.00   | 225.60 | 0.60   | W934806  | -0.01  | -0.5   | 0.0023 | 0.0022 | 0.0075 |
| 225.60   | 226.00 |                         | 225.60   | 226.00 | 0.40   | W934807  | 0.09   | -0.5   | 0.0039 | 0.0024 | 0.0056 |
| 226.00   | 227.10 |                         | 226.00   | 227.10 | 1.10   | W934808  | -0.01  | -0.5   | 0.0019 | 0.0024 | 0.0073 |
| 227.10   | 227.90 |                         | 227.10   | 227.90 | 0.80   | W934809  | -0.01  | -0.5   | 0.0048 | 0.0028 | 0.0075 |

**227.90 268.70 Monz (Q(C)Vs) ((KVs))**

**106**

Same unaltered monz unit as 78.5-210.5m.

Sharp LCT with foliated/sheared komatiite. Dark chl-enriched contact.

<< Min: 227.9 - 268.7: pyrite 1% FG Halo / molybdenite 0.05% VFG Fracture-coating / hematite 0.1% VFG Fracture-coating >> Fine to very fine grained pyrite often within quartz/quartz-carb vein halos. More rarely along vein margins as medium to coarse subhedral blebs. Commonly disseminated throughout host rock.

Trace mo associated with pyrite along select veins. V minor disseminated or fracture-coating hematite.

<< Alt: 227.9 - 263.7: ksp weak Selective / alb weak Halo / ser moderate Halo / FeCarb weak to moderate Selective / mag weak to moderate Patchy / CaCarb weak to moderate Patchy >> Same as 78.5-210.5m.

<< Alt: 263.7 - 268.7: ksp moderate Selective / alb weak Halo / ser weak to moderate Halo / FeCarb weak to moderate Selective / CaCarb moderate Pervasive / mag weak to moderate Patchy >> Stronger K-metasomatism of fspar phenos and vein halos. Host rock appears more purple - hem? Perhaps alteration from introduction of Kspar veining not present uphole.

<< Vein: 227.9 - 259.7: QVs 1% CG Planar massive / QCVs 3% MG Planar coxcomb (parallel growth, prismatic) / CVs 2.5% FG Planar vuggy/vug (voids) >> Similar to 78.5-210.5 (see featurized veins).

<< Vein: 259.7 - 268.7: KVs 1.5% FG Planar massive / QCVs 1% FG Planar vuggy/vug (voids) >> Medium to dark pink kspar veins locally contain trace fg pyrite and specular hem.

|        |        |      |         |       |      |        |        |        |
|--------|--------|------|---------|-------|------|--------|--------|--------|
| 227.90 | 229.00 | 1.10 | W934811 | -0.01 | -0.5 | 0.0014 | 0.0025 | 0.0072 |
| 229.00 | 230.40 | 1.40 | W934812 | 0.15  | -0.5 | 0.0018 | 0.0021 | 0.0058 |

Hole: GP20-01

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|          |        |                         | 230.40   | 231.50 | 1.10   | W934813  | 0.02   | -0.5   | 0.002  | 0.002  | 0.0061 |
|          |        |                         | 234.60   | 235.00 | 0.40   | W934814  | 0.05   | -0.5   | 0.0035 | 0.0073 | 0.0069 |
|          |        |                         | 243.00   | 243.50 | 0.50   | W934815  | -0.01  | -0.5   | 0.0011 | 0.0027 | 0.0069 |
|          |        |                         | 243.50   | 244.10 | 0.60   | W934816  | 0.03   | -0.5   | 0.0025 | 0.0031 | 0.007  |
|          |        |                         | 245.70   | 246.00 | 0.30   | W934817  | 0.26   | 1.7    | 0.0047 | 0.0214 | 0.0069 |
|          |        |                         | 247.50   | 248.10 | 0.60   | W934818  | 0.27   | -0.5   | 0.0029 | 0.0024 | 0.006  |
|          |        |                         | 248.10   | 248.80 | 0.70   | W934819  | 0.02   | -0.5   | 0.0012 | 0.0026 | 0.0071 |
|          |        |                         | 248.80   | 249.70 | 0.90   | W934821  | -0.01  | -0.5   | 0.0021 | 0.0026 | 0.0071 |
|          |        |                         | 249.70   | 250.00 | 0.30   | W934822  | 0.05   | -0.5   | 0.0021 | 0.0023 | 0.0066 |
|          |        |                         | 252.80   | 253.90 | 1.10   | W934823  | 0.01   | -0.5   | 0.0033 | 0.0028 | 0.0077 |
|          |        |                         | 253.90   | 254.20 | 0.30   | W934824  | 0.01   | -0.5   | 0.0021 | 0.0018 | 0.0063 |
|          |        |                         | 254.20   | 254.50 | 0.30   | W934825  | 0.04   | -0.5   | 0.0029 | 0.0027 | 0.0066 |
|          |        |                         | 254.50   | 256.00 | 1.50   | W934826  | -0.01  | -0.5   | 0.0032 | 0.003  | 0.0076 |
|          |        |                         | 256.00   | 256.60 | 0.60   | W934827  | 0.1    | -0.5   | 0.0035 | 0.0028 | 0.0062 |
|          |        |                         | 256.60   | 256.90 | 0.30   | W934828  | 0.4    | 1.8    | 0.0035 | 0.0115 | 0.0063 |
|          |        |                         | 256.90   | 257.70 | 0.80   | W934829  | 0.14   | -0.5   | 0.003  | 0.0023 | 0.0067 |
|          |        |                         | 257.70   | 258.40 | 0.70   | W934831  | -0.01  | -0.5   | 0.0024 | 0.0027 | 0.0076 |
|          |        |                         | 258.40   | 259.70 | 1.30   | W934832  | -0.01  | -0.5   | 0.0044 | 0.0026 | 0.007  |
|          |        |                         | 259.70   | 260.00 | 0.30   | W934834  | -0.01  | -0.5   | 0.0031 | 0.0033 | 0.0073 |
|          |        |                         | 260.00   | 261.50 | 1.50   | W934835  | -0.01  | -0.5   | 0.003  | 0.003  | 0.0077 |
|          |        |                         | 261.50   | 261.90 | 0.40   | W934836  | -0.01  | -0.5   | 0.0019 | 0.0031 | 0.0071 |
|          |        |                         | 261.90   | 262.60 | 0.70   | W934837  | -0.01  | -0.5   | 0.0067 | 0.0032 | 0.0066 |
|          |        |                         | 262.60   | 263.70 | 1.10   | W934838  | -0.01  | -0.5   | 0.0054 | 0.006  | 0.0074 |
|          |        |                         | 263.70   | 264.00 | 0.30   | W934839  | -0.01  | -0.5   | 0.0073 | 0.0158 | 0.0073 |
|          |        |                         | 264.00   | 265.40 | 1.40   | W934841  | -0.01  | -0.5   | 0.0039 | 0.0085 | 0.0073 |
|          |        |                         | 265.40   | 266.30 | 0.90   | W934842  | -0.01  | -0.5   | 0.0048 | 0.0037 | 0.0057 |
|          |        |                         | 266.30   | 266.70 | 0.40   | W934843  | 0.03   | -0.5   | 0.0054 | 0.0015 | 0.0051 |
|          |        |                         | 266.70   | 267.50 | 0.80   | W934844  | -0.01  | -0.5   | 0.0056 | 0.0033 | 0.006  |

Hole: GP20-01

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | To (m)        | Rock Type & Description           | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                   | 267.50   | 268.20 | 0.70   | W934845  | 0.03   | -0.5   | 0.0065 | 0.0018 | 0.0046 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                   | 268.20   | 268.70 | 0.50   | W934846  | 0.11   | -0.5   | 0.0063 | 0.001  | 0.0041 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                   | 268.70   | 269.30 | 0.60   | W934847  | 0.09   | 2.1    | 0.0007 | 0.0007 | 0.0168 |
| <b>268.70</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>269.70</b> | <b>Kom Msv fol/shr</b>            | 269.30   | 269.70 | 0.40   | W934848  | 0.29   | 22.2   | 0.0011 | 0.0026 | 0.0338 |
| <p>Medium green, fine grained, carb +/- serp altered, foliated/weakly sheared komatiite. Quartz-carb veins with dark chl selvages are weakly deformed and parallel to foliation. Disseminated pyrite throughout, especially in shears at upper and lower contacts.</p> <p>Greater strain towards lower contact. Broken LCT into altered monzonite. Dark chl coats upper contact of monz.</p> <p>&lt;&lt; Min: 268.7 - 269.7: pyrite 1.5% FG Disseminated &gt;&gt; Fine grained subhedral pyrite cubes throughout; increased abundance at upper and lower sheared contacts (see photo).</p> <p>&lt;&lt; Alt: 268.7 - 269.7: CaCarb moderate Pervasive / serp weak to moderate Selective / chl moderate Selective &gt;&gt; Carb creates fuzzy texture throughout. Serp and chl enriched in sheared/foliated upper/lower contacts. Dark chl-coated fractures locally exhibit deformed relict slickenlines.</p> <p>&lt;&lt; Vein: 268.7 - 269.7: QCVs 7.5% FG sheared massive / CVs 2.5% FG Planar vuggy/vug (voids) &gt;&gt; Quartz-carb veins aligned with foliation. Planar at upper contact, more sheared at lower contact. Cut by late vuggy carb veins.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                   |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                   | 269.70   | 270.30 | 0.60   | W934849  | 0.04   | -0.5   | 0.0081 | 0.0012 | 0.0056 |
| <b>269.70</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>288.90</b> | <b>Monz Altd KSP ser carb alb</b> | 270.30   | 271.00 | 0.70   | W934851  | 0.12   | -0.5   | 0.004  | 0.0013 | 0.0027 |
| <p>Light pink to purplish grey, fine to medium grained, kspar sericite albite carbonate altered monzonite. Alteration increases adjacent to thick (2-5cm) quartz, quartz-carb and kspar veins. Pyrite within vein halos or more rarely within veins/selvages. Dark chl-coated fractures common in upper and lower several meters of interval. Several fine grained intermediate dykes.</p> <p>Sharp LCT with komatiite; kom cuts carb vein within monz (see photo).</p> <p>&lt;&lt; Min: 269.7 - 288.9: pyrite 2% FG Halo / molybdenite 0.01% VFG Fracture-coating &gt;&gt; Abundant vfg-fg pyrite within vein halos; more rare within vugs or selvages of veins.</p> <p>Trace mo with pyrite in select veins.</p> <p>&lt;&lt; Alt: 269.7 - 288.9: ksp moderate to strong Selective / ser moderate Halo / FeCarb weak to moderate Halo / CaCarb moderate Patchy / mag weak to moderate Patchy / alb weak to moderate Halo &gt;&gt; K-metasomatism of fspar phenos and vein envelopes. Host rock appears more darkish purple than unaltered monz (hem?). Sharp to gradational ser +/- carb +/- alb halos around veins. CaCarb moderate within less altered host rock.</p> <p>&lt;&lt; Vein: 269.7 - 288.9: QCVs 2.5% MG Planar vuggy/vug (voids) / QVs 0.5% CG Planar massive / KVs 1% MG Planar / CVs 2% FG Planar vuggy/vug (voids) &gt;&gt; Thick (2-5cm), slightly vuggy quartz-carb and quartz veins with strong alteration halos locally bear pyrite within vugs or along selvages. Medium to coarse grained kspar veins locally contain minor quartz +/- carb. Thinner (2-5mm) white to pink vuggy carb (/rhod) often host fine pyrite cubes.</p> |               |                                   |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                   | 271.00   | 271.70 | 0.70   | W934852  | 0.03   | -0.5   | 0.0046 | 0.0011 | 0.004  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                   | 271.70   | 272.10 | 0.40   | W934853  | 0.17   | -0.5   | 0.0032 | 0.0018 | 0.002  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                   | 272.10   | 272.80 | 0.70   | W934854  | 0.34   | -0.5   | 0.0025 | 0.0021 | 0.0043 |

Hole: GP20-01

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| 272.80   | 273.60 |                         | 272.80   | 273.60 | 0.80   | W934855  | 0.06   | -0.5   | 0.0092 | 0.0017 | 0.0051 |
| 273.60   | 274.50 |                         | 273.60   | 274.50 | 0.90   | W934856  | -0.01  | -0.5   | 0.0173 | 0.0037 | 0.0053 |
| 274.50   | 275.40 |                         | 274.50   | 275.40 | 0.90   | W934857  | -0.01  | -0.5   | 0.0153 | 0.0028 | 0.0063 |
| 275.40   | 276.60 |                         | 275.40   | 276.60 | 1.20   | W934858  | 0.02   | -0.5   | 0.0121 | 0.0032 | 0.0072 |
| 276.60   | 277.20 |                         | 276.60   | 277.20 | 0.60   | W934859  | 0.23   | -0.5   | 0.005  | 0.0033 | 0.0063 |
| 277.20   | 278.10 |                         | 277.20   | 278.10 | 0.90   | W934861  | -0.01  | -0.5   | 0.011  | 0.003  | 0.0056 |
| 278.10   | 278.50 |                         | 278.10   | 278.50 | 0.40   | W934862  | 1.9    | 1      | 0.0067 | 0.0045 | 0.005  |
| 278.50   | 279.30 |                         | 278.50   | 279.30 | 0.80   | W934863  | 0.01   | -0.5   | 0.0085 | 0.0031 | 0.0065 |
| 279.30   | 279.70 |                         | 279.30   | 279.70 | 0.40   | W934864  | 0.01   | -0.5   | 0.0017 | 0.0026 | 0.0116 |
| 279.70   | 280.10 |                         | 279.70   | 280.10 | 0.40   | W934865  | 0.02   | -0.5   | 0.0076 | 0.0036 | 0.0057 |
| 280.10   | 280.50 |                         | 280.10   | 280.50 | 0.40   | W934867  | -0.01  | -0.5   | 0.0068 | 0.0021 | 0.0034 |
| 280.50   | 280.80 |                         | 280.50   | 280.80 | 0.30   | W934868  | 0.02   | 10.8   | 0.0145 | 0.0716 | 0.003  |
| 280.80   | 281.20 |                         | 280.80   | 281.20 | 0.40   | W934869  | 0.01   | -0.5   | 0.0046 | 0.0014 | 0.0087 |
| 281.20   | 281.70 |                         | 281.20   | 281.70 | 0.50   | W934871  | -0.01  | -0.5   | 0.0038 | 0.0031 | 0.0106 |
| 281.70   | 282.40 |                         | 281.70   | 282.40 | 0.70   | W934872  | 0.01   | -0.5   | 0.0063 | 0.0059 | 0.006  |
| 282.40   | 283.50 |                         | 282.40   | 283.50 | 1.10   | W934873  | 0.03   | -0.5   | 0.0048 | 0.0023 | 0.0047 |
| 283.50   | 283.90 |                         | 283.50   | 283.90 | 0.40   | W934874  | 0.01   | -0.5   | 0.0075 | 0.0018 | 0.0055 |
| 283.90   | 284.30 |                         | 283.90   | 284.30 | 0.40   | W934875  | 0.18   | -0.5   | 0.007  | 0.0014 | 0.005  |
| 284.30   | 284.60 |                         | 284.30   | 284.60 | 0.30   | W934876  | 0.01   | -0.5   | 0.0061 | 0.0015 | 0.0043 |
| 284.60   | 285.00 |                         | 284.60   | 285.00 | 0.40   | W934877  | 0.2    | -0.5   | 0.0092 | 0.001  | 0.0044 |
| 285.00   | 285.70 |                         | 285.00   | 285.70 | 0.70   | W934878  | 0.09   | -0.5   | 0.0055 | 0.0013 | 0.0047 |
| 285.70   | 286.00 |                         | 285.70   | 286.00 | 0.30   | W934879  | 0.2    | 1.8    | 0.0018 | 0.008  | 0.0031 |
| 286.00   | 286.60 |                         | 286.00   | 286.60 | 0.60   | W934881  | 0.21   | -0.5   | 0.0028 | 0.001  | 0.0041 |
| 286.60   | 286.90 |                         | 286.60   | 286.90 | 0.30   | W934882  | 0.02   | -0.5   | 0.0042 | 0.0009 | 0.0048 |
| 286.90   | 287.40 |                         | 286.90   | 287.40 | 0.50   | W934883  | 0.01   | -0.5   | 0.0022 | 0.0013 | 0.0046 |
| 287.40   | 288.00 |                         | 287.40   | 288.00 | 0.60   | W934884  | 0.04   | -0.5   | 0.0029 | 0.0008 | 0.0064 |
| 288.00   | 288.90 |                         | 288.00   | 288.90 | 0.90   | W934885  | 0.01   | 0.7    | 0.0073 | 0.0084 | 0.0038 |

Hole: GP20-01

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | To (m)        | Rock Type & Description                  | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct  | Zn pct |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------------|----------|--------|--------|----------|--------|--------|--------|---------|--------|
| <b>288.90</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>293.50</b> | <b>Kom Msv ((fuch))</b>                  |          |        |        |          |        |        |        |         |        |
| <p>Medium to dark green, fine grain, carb +/- serp altered komatiite. Carb veining throughout.<br/>           Fuch-enriched near sharp lower contact with altered monzonite (see photo).<br/>           &lt;&lt; Min: 288.9 - 293.5: pyrite 0.3% FG Disseminated &gt;&gt;<br/>           &lt;&lt; Alt: 288.9 - 293.5: CaCarb moderate Pervasive / serp weak Selective / fuch weak to moderate Selective &gt;&gt; Lower 20cm fuch altered from contact with monz.<br/>           &lt;&lt; Vein: 288.9 - 293.5: CVs 5% FG Planar massive &gt;&gt; Occasionally serpentinized.</p>           |               |                                          |          |        |        |          |        |        |        |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                          | 288.90   | 289.40 | 0.50   | W934886  | -0.01  | -0.5   | 0.0045 | -0.0002 | 0.0105 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                          | 289.40   | 290.40 | 1.00   | W934887  | 0.01   | -0.5   | 0.0035 | -0.0002 | 0.0061 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                          | 290.40   | 291.60 | 1.20   | W934888  | 0.01   | -0.5   | 0.003  | 0.0004  | 0.0058 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                          | 291.60   | 292.60 | 1.00   | W934889  | 0.01   | -0.5   | 0.003  | -0.0002 | 0.0057 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                          | 292.60   | 293.00 | 0.40   | W934891  | 0.01   | -0.5   | 0.0032 | -0.0002 | 0.0057 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                          | 293.00   | 293.50 | 0.50   | W934892  | 0.01   | -0.5   | 0.0047 | -0.0002 | 0.0072 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                          | 293.50   | 294.00 | 0.50   | W934893  | 0.03   | -0.5   | 0.0068 | 0.0006  | 0.0051 |
| <b>293.50</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>299.10</b> | <b>Monz Altd Ksp ser alb carb (fldt)</b> |          |        |        |          |        |        |        |         |        |
| <p>Same as 269.7-288.9m. Lower 20 cm faulted (including LCT).<br/>           &lt;&lt; Min: 293.5 - 299.1: pyrite 1.5% FG Halo &gt;&gt; Similar to previous altered monz unit.<br/>           &lt;&lt; Alt: 293.5 - 299.1: ksp moderate Selective / alb weak Halo / FeCarb weak to moderate Halo / CaCarb moderate Patchy / mag weak to moderate Patchy / ser moderate Halo &gt;&gt; Same as previous altered monz unit.<br/>           &lt;&lt; Vein: 293.5 - 299.1: QCVs 1.5% MG Planar vuggy/vug (voids) / QVs 0.5% FG Planar massive &gt;&gt; Similar vein styles to 269.7-288.9m.</p> |               |                                          |          |        |        |          |        |        |        |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                          | 294.00   | 295.00 | 1.00   | W934894  | -0.01  | -0.5   | 0.0045 | 0.0019  | 0.006  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                          | 295.00   | 295.80 | 0.80   | W934895  | 0.08   | -0.5   | 0.004  | 0.0026  | 0.0057 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                          | 295.80   | 296.60 | 0.80   | W934896  | 0.04   | -0.5   | 0.0033 | 0.0026  | 0.005  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                          | 296.60   | 298.00 | 1.40   | W934897  | -0.01  | -0.5   | 0.0022 | 0.0032  | 0.0066 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                          | 298.00   | 298.70 | 0.70   | W934898  | 0.05   | -0.5   | 0.0031 | 0.0025  | 0.0055 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                          | 298.70   | 299.10 | 0.40   | W934901  | 0.01   | -0.5   | 0.0063 | 0.0013  | 0.0047 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                          | 299.10   | 300.00 | 0.90   | W934902  | 0.01   | -0.5   | 0.0043 | -0.0002 | 0.0066 |
| <b>299.10</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>300.00</b> | <b>Kom Msv</b>                           |          |        |        |          |        |        |        |         |        |
| <p>Same as 288.9-293.5m. EOH @ 300m.<br/>           &lt;&lt; Min: 299.1 - 300: pyrite 0.2% FG Disseminated &gt;&gt;<br/>           &lt;&lt; Alt: 299.1 - 300: CaCarb moderate Pervasive / serp weak Selective &gt;&gt;<br/>           &lt;&lt; Vein: 299.1 - 300: CVs 5% FG Irregular/Blebbly massive &gt;&gt; Slightly more chaotic than previous kom uunit.</p>                                                                                                                                                                                                                         |               |                                          |          |        |        |          |        |        |        |         |        |

Hole: GP20-01

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| 300.00   |        | EOH                     |          |        | 0      |          |        |        |        |        |        |

End of Hole @ 300



**Project:** Golden Perimeter

**Hole:** GP20-02

|                             |                  |                     |                |                         |              |                          |                          |
|-----------------------------|------------------|---------------------|----------------|-------------------------|--------------|--------------------------|--------------------------|
| <b>Prospect:</b>            | Golden Perimeter | <b>Survey Type:</b> | Trimble R1     | <b>Logged By:</b>       | Neal Maguire | <b>Hole Type:</b>        | DD                       |
| <b>Datum:</b>               | NAD83            | <b>Survey By:</b>   | Conor McKinley | <b>Date Started:</b>    | 2020-03-04   | <b>Core Size:</b>        | NQ                       |
| <b>Vertical Datum:</b>      |                  | <b>Azimuth:</b>     | 35             | <b>Date Completed:</b>  | 2020-03-06   | <b>Casing Pulled?:</b>   | <input type="checkbox"/> |
| <b>Zone:</b>                | 17N              | <b>Dip:</b>         | -45            | <b>Drill Company:</b>   | Norex        | <b>Casing Depth (m):</b> | 39.6                     |
| <b>UTM East:</b>            | 504315.84862     | <b>Length (m):</b>  | 240            | <b>Drill Started:</b>   | 2020-02-03   | <b>H Core Depth (m):</b> |                          |
| <b>UTM North:</b>           | 5349620.0952     | <b>Comments:</b>    |                | <b>Drill Completed:</b> | 2020-04-03   | <b>N Core Depth (m):</b> | 240                      |
| <b>UTM Elevation (m):</b>   | 264.35702        |                     |                |                         |              | <b>B Core Depth (m):</b> |                          |
| <b>Local Grid:</b>          |                  |                     |                |                         |              |                          |                          |
| <b>Local East:</b>          |                  |                     |                |                         |              |                          |                          |
| <b>Local North:</b>         |                  |                     |                |                         |              |                          |                          |
| <b>Local Elevation (m):</b> |                  |                     |                |                         |              |                          |                          |

| Depth (m) | Survey Method  | Survey By | Date Surveyed | Dip   | Azimuth | Mag. Field | Accept Values?                      | Comments                                               |
|-----------|----------------|-----------|---------------|-------|---------|------------|-------------------------------------|--------------------------------------------------------|
| 0         | Reflex EZ Shot |           |               | -45   | 35      |            | <input checked="" type="checkbox"/> | Dummy survey based on planned dip/azi Neal Maguire     |
| 51        | Reflex EZ Shot |           |               | -45.2 | 39.9    | 5566       | <input checked="" type="checkbox"/> | Mag check OK Neal Maguire                              |
| 81        | Reflex EZ Shot |           |               | -44.9 | 39.2    | 5531       | <input checked="" type="checkbox"/> | Mag check OK Neal Maguire                              |
| 111       | Reflex EZ Shot |           |               | -44.8 | 40      | 5537       | <input checked="" type="checkbox"/> | Mag check OK Neal Maguire                              |
| 141       | Reflex EZ Shot |           |               | -44.8 | 39.7    | 5520       | <input checked="" type="checkbox"/> | Azi calculated from 111m and 201m surveys Neal Maguire |
| 171       | Reflex EZ Shot |           |               | -44.7 | 39.5    | 5462       | <input checked="" type="checkbox"/> | Azi calculated from 111m and 201m surveys Neal Maguire |

Hole: GP20-02

| Depth (m) | Survey Method  | Survey By | Date Surveyed | Dip   | Azimuth | Mag. Field | Accept Values?                      | Comments                  |
|-----------|----------------|-----------|---------------|-------|---------|------------|-------------------------------------|---------------------------|
| 201       | Reflex EZ Shot |           |               | -44.8 | 39.2    | 5541       | <input checked="" type="checkbox"/> | Mag check OK Neal Maguire |
| 231       | Reflex EZ Shot |           |               | -44.7 | 44.1    | 5541       | <input checked="" type="checkbox"/> | Mag check OK Neal Maguire |

Hole: GP20-02

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|

|             |              |               |  |  |  |  |  |  |  |  |          |
|-------------|--------------|---------------|--|--|--|--|--|--|--|--|----------|
| <b>0.00</b> | <b>39.60</b> | <b>Casing</b> |  |  |  |  |  |  |  |  | <b>0</b> |
|-------------|--------------|---------------|--|--|--|--|--|--|--|--|----------|

Drill hole GP20-02 was designed to test a 125m to the northeast from GP20-01, which twinned Dome Exploration hole 280A-18A. The hole targeted a possible extension of high-grade vein mineralization in 280A-18A and the prospective interface of the monzonites and komatiites, where the rheological contrast between the lithologies may provide a pump or trap for gold mineralization.

Stratigraphy in the drill hole consists of altered monzonite interlayered with komatiite. Monzonite units have generally been moderately K-metasomatized, and variably albite-altered and carbonate-altered. Alteration is strongest in surrounding vein envelopes, and patchy magnetism is common outside alteration halos (mag destruction?). Very fine-grained pyrite is disseminated through the monzonites and is present in lower concentrations in komatiites. Molybdenite and specular hematite fill and coat fractures in the monzonite. Several types of veins including fracture-filling calcite veinlets and thicker, bull quartz veins, though the most prospective vein type is mineralized quartz-ankerite veins, up to ~40cm wide, which contain disseminated pyrite and trace to minor amounts of fine-grained blebby molybdenite and local chalcopyrite. These veins may also contain clots of ankerite. Notably thicker veins are intersected from 51.6-52 meters and from 59.9-60.3 meters.

Komatiites in this drill hole are generally carbonate-altered, magnetic, and chloritic, with trace amounts of very fine-grained disseminated pyrite. Komatiites exhibit a variety of textures (i.e., massive, polygonal jointed, pillowed). Quartz-carbonate veinlets typically form a chaotic, fracture-filling stockwork within the ultramafic units. The hole was terminated at 240 meters in talcose, chloritic, massive komatiite.

|              |              |                                         |  |  |  |  |  |  |  |  |            |
|--------------|--------------|-----------------------------------------|--|--|--|--|--|--|--|--|------------|
| <b>39.60</b> | <b>51.60</b> | <b>Monz ksp FeCarb mag (py) ((cpy))</b> |  |  |  |  |  |  |  |  | <b>106</b> |
|--------------|--------------|-----------------------------------------|--|--|--|--|--|--|--|--|------------|

Medium gray to light brown monzonite. Plagioclase and ksp are subequal in abundance. The rock has undergone mild k-metasomatism and contains low-moderate amounts of FeCarb. Alteration is concentrated in vein halos. Very fine- to fine-grained pyrite is disseminated in the unit, and an isolated veinlet at 47.5m contains blebby chalcopyrite. Unit is crosscut by quartz and quartz-carb veins up to 2cm wide. Rock has patchy weak-mod magnetism. Lower contact is sharp along a quartz vein.

<< Min: 39.6 - 51.6: pyrite 2% VFG Disseminated / chalcopyrite 0.1% MG Blebby >>

<< Alt: 39.6 - 51.6: ksp weak to moderate Halo / ser weak to moderate Halo / FeCarb weak to moderate Halo / FeOx weak to moderate Halo / mag weak Patchy >>

<< Vein: 39.6 - 51.6: QVs 3% VFG Planar massive / QCVMs 2% FG Irregular/Blebby >>

|       |       |      |         |      |      |        |        |        |
|-------|-------|------|---------|------|------|--------|--------|--------|
| 42.00 | 43.00 | 1.00 | W934903 | 0.01 | 0.7  | 0.0051 | 0.0064 | 0.0075 |
| 43.00 | 44.00 | 1.00 | W934904 | 0.01 | -0.5 | 0.0038 | 0.004  | 0.0073 |
| 44.00 | 44.60 | 0.60 | W934905 | 0.49 | 0.7  | 0.0059 | 0.0077 | 0.0057 |
| 44.60 | 45.00 | 0.40 | W934906 | 0.01 | -0.5 | 0.0015 | 0.0025 | 0.0063 |
| 45.00 | 46.30 | 1.30 | W934907 | 0.01 | -0.5 | 0.0053 | 0.0028 | 0.0069 |

Hole: GP20-02

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | To (m) | Rock Type & Description             | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| 51.60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 52.00  | <b>Quartz Vein py</b>               |          |        |        |          |        |        |        |        |        |
| <p><b>300</b></p> <p>White quartz vein cutting through monzonite. Contains blebby medium-grained pyrite and FeOx (very minor FeCarb). Small vugs are scattered within vein. Patchy FeOx is contained within the vein and in halos outboard. Lower contact is sharp/planar back into monzonite.</p> <p>&lt;&lt; Min: 51.6 - 51.9: pyrite 3% MG Blebby &gt;&gt;</p> <p>&lt;&lt; Min: 51.9 - 59.9: pyrite 1.5% VFG Disseminated &gt;&gt;</p> <p>&lt;&lt; Alt: 51.6 - 51.9: FeCarb weak Patchy / FeOx weak Patchy &gt;&gt;</p> <p>&lt;&lt; Alt: 51.9 - 59.9: ksp weak to moderate Halo / ser weak to moderate Halo / FeCarb weak to moderate Halo / FeOx weak to moderate Halo / mag weak Patchy &gt;&gt;</p> <p>&lt;&lt; Vein: 51.6 - 51.9: NR &gt;&gt;</p> <p>&lt;&lt; Vein: 51.9 - 59.9: QVs 3% VFG Planar vuggy/vug (voids) / QCVMs 2% FG Planar &gt;&gt;</p> |        |                                     |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                                     | 46.30    | 46.60  | 0.30   | W934908  | 0.01   | -0.5   | 0.0013 | 0.0021 | 0.0068 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                                     | 46.60    | 48.00  | 1.40   | W934909  | 0.01   | -0.5   | 0.011  | 0.0026 | 0.0079 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                                     | 48.00    | 49.50  | 1.50   | W934911  | -0.01  | -0.5   | 0.0056 | 0.0033 | 0.0077 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                                     | 49.50    | 50.00  | 0.50   | W934912  | -0.01  | -0.5   | 0.0015 | 0.0033 | 0.0074 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                                     | 50.00    | 51.00  | 1.00   | W934913  | -0.01  | -0.5   | 0.0028 | 0.0036 | 0.0077 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                                     | 51.00    | 51.60  | 0.60   | W934914  | 0.02   | -0.5   | 0.0056 | 0.0035 | 0.0063 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                                     | 51.60    | 52.00  | 0.40   | W934915  | 2.41   | 7.8    | 0.0013 | 0.0389 | 0.0017 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                                     | 52.00    | 52.80  | 0.80   | W934916  | 0.01   | -0.5   | 0.0105 | 0.0049 | 0.0074 |
| 52.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 59.90  | <b>Monz ksp FeCarb ser mag (py)</b> |          |        |        |          |        |        |        |        |        |
| <p><b>106</b></p> <p>Same monzonite as above previously logged vein lith. Medium gray to light brown monzonite. Plagioclase and ksp are subequal in abundance. The rock has undergone mild k-metasomatism and contains low-moderate amounts of FeCarb. Alteration is concentrated in vein halos. Very fine- to fine-grained pyrite is disseminated in the unit. Unit is crosscut by quartz and quartz-carb veins up to 2cm wide. At 57.9m there is a vuggy quartz vein with fine-grained pyrite. Rock has patchy weak-mod magnetism. Lower contact is sharp along a quartz vein.</p>                                                                                                                                                                                                                                                                          |        |                                     |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                                     | 52.80    | 53.20  | 0.40   | W934917  | 0.01   | 0.6    | 0.0226 | 0.0038 | 0.0062 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                                     | 53.20    | 54.00  | 0.80   | W934918  | 0.01   | -0.5   | 0.0051 | 0.003  | 0.0067 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                                     | 54.00    | 55.50  | 1.50   | W934919  | -0.01  | -0.5   | 0.0028 | 0.0029 | 0.007  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                                     | 55.50    | 57.00  | 1.50   | W934921  | -0.01  | -0.5   | 0.0026 | 0.0029 | 0.0076 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                                     | 57.00    | 57.80  | 0.80   | W934922  | 0.02   | -0.5   | 0.0016 | 0.0029 | 0.0077 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                                     | 57.80    | 58.20  | 0.40   | W934923  | 0.43   | -0.5   | 0.0032 | 0.0032 | 0.0064 |

Hole: GP20-02

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | To (m)       | Rock Type & Description        | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                                | 58.20    | 59.70  | 1.50   | W934924  | 0.25   | -0.5   | 0.002  | 0.0032 | 0.0069 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                                | 59.70    | 60.40  | 0.70   | W934925  | 0.72   | 1.5    | 0.0024 | 0.0085 | 0.0042 |
| <b>59.90</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>60.30</b> | <b>Quartz vein FeCarb (py)</b> |          |        |        |          |        |        |        |        |        |
| <p><b>300</b></p> <p>White opaque quartz vein with weakly vuggy texture. Contains blebby FeCarb and pyrite. Inside of vugs is FeOx. FeCarb and FeOx form envelope around upper and lower vein contacts. Lower contact is sharp/planar back into monzonite.</p> <p>&lt;&lt; Min: 59.9 - 60.3: pyrite 3% FG Blebby &gt;&gt;</p> <p>&lt;&lt; Alt: 59.9 - 60.3: FeCarb weak to moderate Patchy / FeOx weak Patchy &gt;&gt;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                                |          |        |        |          |        |        |        |        |        |
| <b>60.30</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>82.20</b> | <b>Monz ksp FeCarb ser py</b>  |          |        |        |          |        |        |        |        |        |
| <p><b>106</b></p> <p>Dark gray to medium orange monzonite. Rock has undergone mild k-metasomatism and carb alteration with sericite also in vein halos. Quartz and quartz-carb veins crosscut the unit and alteration is concentrated in halos around veins. Veins are occasionally buggy and mineralized with pyrite. Very fine-grained pyrite is disseminated throughout the rock mass. Patchy weak magnetism. Lower contact is sharp and irregular along ksp alteration front.</p> <p>&lt;&lt; Min: 60.3 - 82.2: pyrite 1% VFG Disseminated &gt;&gt;</p> <p>&lt;&lt; Alt: 60.3 - 82.2: ksp weak to moderate Halo / ser weak to moderate Halo / FeCarb weak to moderate Halo / FeOx weak to moderate Halo / mag weak Patchy &gt;&gt;</p> <p>&lt;&lt; Vein: 60.3 - 82.2: QVs 4% VFG Planar / QCVMS 2% FG Planar massive &gt;&gt; Quartz veins internal structure varies from massive to vuggy</p> |              |                                |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                                | 60.40    | 61.50  | 1.10   | W934926  | 0.01   | -0.5   | 0.0042 | 0.0034 | 0.0072 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                                | 61.50    | 63.00  | 1.50   | W934927  | -0.01  | -0.5   | 0.0009 | 0.0036 | 0.0073 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                                | 63.00    | 64.00  | 1.00   | W934928  | 0.02   | -0.5   | 0.0021 | 0.0035 | 0.0073 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                                | 64.00    | 64.30  | 0.30   | W934929  | 0.02   | -0.5   | 0.0024 | 0.002  | 0.0071 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                                | 64.30    | 65.20  | 0.90   | W934931  | -0.01  | -0.5   | 0.0012 | 0.0037 | 0.0073 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                                | 65.20    | 65.50  | 0.30   | W934932  | -0.01  | -0.5   | 0.005  | 0.0035 | 0.0072 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                                | 65.50    | 66.60  | 1.10   | W934934  | -0.01  | -0.5   | 0.0009 | 0.0036 | 0.0073 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                                | 66.60    | 67.00  | 0.40   | W934935  | 0.15   | -0.5   | 0.0028 | 0.0045 | 0.0069 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                                | 67.00    | 67.40  | 0.40   | W934936  | 0.12   | -0.5   | 0.0018 | 0.0037 | 0.0067 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                                | 67.40    | 68.40  | 1.00   | W934937  | -0.01  | -0.5   | 0.0021 | 0.0038 | 0.0077 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                                | 68.40    | 69.30  | 0.90   | W934938  | -0.01  | -0.5   | 0.0014 | 0.0035 | 0.0077 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                                | 69.30    | 70.30  | 1.00   | W934939  | 0.01   | -0.5   | 0.002  | 0.0031 | 0.0057 |

Hole: GP20-02

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|          |        |                         | 70.30    | 70.80  | 0.50   | W934941  | 0.01   | 0.6    | 0.0038 | 0.0091 | 0.0035 |
|          |        |                         | 70.80    | 72.00  | 1.20   | W934942  | 0.01   | 1.4    | 0.0074 | 0.0118 | 0.0068 |
|          |        |                         | 72.00    | 72.90  | 0.90   | W934943  | 0.29   | 2.9    | 0.004  | 0.0177 | 0.006  |
|          |        |                         | 72.90    | 73.60  | 0.70   | W934944  | 0.02   | -0.5   | 0.006  | 0.0039 | 0.007  |
|          |        |                         | 73.60    | 75.00  | 1.40   | W934945  | 0.02   | -0.5   | 0.003  | 0.0038 | 0.0071 |
|          |        |                         | 75.00    | 75.30  | 0.30   | W934946  | 0.25   | 0.5    | 0.006  | 0.0053 | 0.0048 |
|          |        |                         | 75.30    | 76.50  | 1.20   | W934947  | 0.06   | 0.5    | 0.0046 | 0.0053 | 0.0068 |
|          |        |                         | 76.50    | 76.80  | 0.30   | W934948  | -0.01  | -0.5   | 0.0044 | 0.0046 | 0.0069 |
|          |        |                         | 76.80    | 77.40  | 0.60   | W934949  | 0.02   | -0.5   | 0.0019 | 0.0037 | 0.0073 |
|          |        |                         | 77.40    | 77.80  | 0.40   | W934951  | -0.01  | -0.5   | 0.0059 | 0.005  | 0.0066 |
|          |        |                         | 77.80    | 78.10  | 0.30   | W934952  | 0.01   | 1.2    | 0.0047 | 0.0086 | 0.0068 |
|          |        |                         | 78.10    | 78.70  | 0.60   | W934953  | 0.07   | -0.5   | 0.004  | 0.0033 | 0.0072 |
|          |        |                         | 78.70    | 79.30  | 0.60   | W934954  | 0.64   | -0.5   | 0.0065 | 0.0029 | 0.0054 |
|          |        |                         | 79.30    | 79.90  | 0.60   | W934955  | 0.01   | -0.5   | 0.002  | 0.0046 | 0.0077 |
|          |        |                         | 79.90    | 80.50  | 0.60   | W934956  | 0.83   | -0.5   | 0.005  | 0.0023 | 0.0052 |
|          |        |                         | 80.50    | 81.50  | 1.00   | W934957  | -0.01  | -0.5   | 0.0014 | 0.0031 | 0.0072 |
|          |        |                         | 81.50    | 82.20  | 0.70   | W934958  | -0.01  | -0.5   | 0.0019 | 0.003  | 0.007  |

**82.20 93.60 Monz altd ksp ser FeCarb (py) 106**

Light pinkish to beige-ish green altered monzonite. Rock has undergone moderate-strong k-metasomatism, which is most prominent in vein halos alongside sericite and FeCarb. Alteration appears to be mag destructive, leaving weak patchy magnetism in less altered rock. Unit is cut by veins composed variably of quartz and carb. Veins have a variety of textures including massive and vuggy. Mineralization consists of very fine-grained disseminated pyrite, increasing in grain size and abundance in alteration halos, and local fracture-coating molybdenite, especially at 84.6m. Lower contact is sharp/irregular into komatiite.

<< Min: 82.2 - 93.6: pyrite 1.5% FG Disseminated / molybdenite 0.1% FG Fracture-coating / hematite 0.1% VFG Vein >> hematite in vein at 88.9m.

<< Alt: 82.2 - 93.6: ksp moderate to strong Halo / ser moderate Halo / FeCarb weak to moderate Halo / FeOx weak Patchy / mag weak Patchy / sil weak Halo >> alteration halos are more extensive than further uphole

<< Vein: 82.2 - 93.6: QVs 2% VFG Planar vuggy/vug (voids) / QCVs 1% FG Undulating / QCVs 0.5% VFG Planar massive >>

Hole: GP20-02

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|          |        |                         | 82.20    | 83.10  | 0.90   | W934959  | 0.03   | -0.5   | 0.0062 | 0.0019 | 0.0057 |
|          |        |                         | 83.10    | 83.40  | 0.30   | W934961  | 1.01   | -0.5   | 0.0016 | 0.0021 | 0.0034 |
|          |        |                         | 83.40    | 84.40  | 1.00   | W934962  | 0.02   | -0.5   | 0.003  | 0.002  | 0.0064 |
|          |        |                         | 84.40    | 85.00  | 0.60   | W934963  | 0.1    | -0.5   | 0.0023 | 0.0019 | 0.0054 |
|          |        |                         | 85.00    | 85.80  | 0.80   | W934964  | -0.01  | -0.5   | 0.0043 | 0.0022 | 0.0058 |
|          |        |                         | 85.80    | 86.40  | 0.60   | W934965  | 0.24   | -0.5   | 0.0035 | 0.0019 | 0.0055 |
|          |        |                         | 86.40    | 87.00  | 0.60   | W934967  | 0.12   | -0.5   | 0.0046 | 0.002  | 0.0056 |
|          |        |                         | 87.00    | 87.60  | 0.60   | W934968  | 0.15   | -0.5   | 0.0155 | 0.0023 | 0.0046 |
|          |        |                         | 87.60    | 88.10  | 0.50   | W934969  | 0.03   | -0.5   | 0.0054 | 0.0019 | 0.0053 |
|          |        |                         | 88.10    | 89.10  | 1.00   | W934971  | -0.01  | -0.5   | 0.005  | 0.0019 | 0.0049 |
|          |        |                         | 89.10    | 89.50  | 0.40   | W934972  | 0.14   | -0.5   | 0.0035 | 0.002  | 0.005  |
|          |        |                         | 89.50    | 90.00  | 0.50   | W934973  | -0.01  | -0.5   | 0.003  | 0.0033 | 0.0064 |
|          |        |                         | 90.00    | 91.50  | 1.50   | W934974  | 0.55   | -0.5   | 0.003  | 0.0026 | 0.0055 |
|          |        |                         | 91.50    | 92.60  | 1.10   | W934975  | 0.14   | -0.5   | 0.0043 | 0.0023 | 0.0042 |
|          |        |                         | 92.60    | 93.60  | 1.00   | W934976  | 0.01   | -0.5   | 0.004  | 0.0012 | 0.0033 |

**93.60 100.00 Kom Msv mag (serp) ((py)) 10**

Dark gray to dark green massive komatiite. Rock is relatively unaltered except at contacts with monzonite, which are weakly-moderately serpentinized. Unit is crosscut by chaotic quartz-carb veins/veinlets which locally give the appearance of a breccia. Veins locally contain chlorite and/or hematite. Mineralization within the interval is confined to a monzonite intrusion near the lower portion of the unit and consists of fine-grained pyrite. Fine-grained quench textures(?) along the margins of intermediate intrusion. Patchy weak-moderate magnetism. Lower contact is sharp into altered monzonite.

<< Min: 93.6 - 100: hematite 0.1% VFG Banded / pyrite 0.1% VFG Disseminated >> py confined to intrusion

<< Alt: 93.6 - 100: serp weak to moderate Selective / chl weak to moderate Selective / mag weak to moderate Patchy / tal weak Pervasive >> serpentine concentrated along contacts, chlorite concentrated in veins.

<< Vein: 93.6 - 100: QCVs 4% VFG contorted massive >> two types of QCVs, chaotic/contorted, and thicker undulating to planar with chlorite.

|       |       |      |         |       |      |        |        |        |
|-------|-------|------|---------|-------|------|--------|--------|--------|
| 93.60 | 95.10 | 1.50 | W934977 | -0.01 | -0.5 | 0.0043 | 0.0002 | 0.0074 |
| 95.10 | 96.00 | 0.90 | W934978 | -0.01 | -0.5 | 0.0039 | 0.0002 | 0.0057 |
| 96.00 | 97.50 | 1.50 | W934979 | 0.25  | -0.5 | 0.0051 | 0.0003 | 0.0056 |

Hole: GP20-02

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | To (m)        | Rock Type & Description       | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct  | Zn pct |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------|----------|--------|--------|----------|--------|--------|--------|---------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |                               | 97.50    | 99.00  | 1.50   | W934981  | -0.01  | -0.5   | 0.0031 | -0.0002 | 0.0066 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |                               | 99.00    | 99.30  | 0.30   | W934982  | -0.01  | -0.5   | 0.0044 | 0.0002  | 0.0056 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |                               | 99.30    | 99.60  | 0.30   | W934983  | 0.03   | -0.5   | 0.0052 | 0.0026  | 0.0042 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |                               | 99.60    | 100.00 | 0.40   | W934984  | -0.01  | -0.5   | 0.0053 | -0.0002 | 0.0079 |
| <b>100.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>102.30</b> | <b>Monz altd ksp ser (py)</b> | 100.00   | 101.00 | 1.00   | W934985  | 0.02   | -0.5   | 0.0074 | 0.003   | 0.0061 |
| <p>Same altered monzonite as above previous komatiite unit. Light pink, medium-grained, altered monzonite. Rock has undergone moderate-strong k-metasomatism, most obvious in alteration halos around veins with sericite and minor FeCarb. Unit is crosscut by quartz-carb veins that occasionally show vuggy texture. Mineralization consists of very fine- to fine-grained disseminated pyrite, with higher concentrations in alteration halos. Lower contact is sharp/irregular into komatiite.</p> <p>&lt;&lt; Min: 100 - 102.3: pyrite 1% VFG Disseminated &gt;&gt;</p> <p>&lt;&lt; Alt: 100 - 102.3: ksp moderate to strong Halo / ser weak to moderate Halo / FeCarb weak Halo / sil weak Halo &gt;&gt;</p> <p>&lt;&lt; Vein: 100 - 102.3: QCVs 1% FG Planar &gt;&gt; vuggy or massive</p>                                                                                                                                                                                                                                                                                                                                                                                |               |                               |          |        |        |          |        |        |        |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |                               | 101.00   | 101.60 | 0.60   | W934986  | 0.12   | -0.5   | 0.0066 | 0.0019  | 0.0047 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |                               | 101.60   | 102.30 | 0.70   | W934987  | 0.01   | -0.5   | 0.008  | 0.0016  | 0.0053 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |                               | 102.30   | 103.80 | 1.50   | W934988  | 0.01   | -0.5   | 0.0035 | 0.0004  | 0.0069 |
| <b>102.30</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>115.60</b> | <b>Kom Poly mag ((py))</b>    | 103.80   | 105.30 | 1.50   | W934989  | -0.01  | -0.5   | 0.0036 | -0.0002 | 0.006  |
| <p>Dark gray to dark green, fine-grained komatiite. Texturally similar to a pillowed basalt flow, with autobrecciation (jigsaw fit/hyaloclastic) along pillow rims(?). Rock is chloritic, sericitic, and weakly carb and talc altered. Unit is crosscut by chaotic quartz-carb veins that generally contain trace amounts of very fine-grained pyrite disseminated within. Veins tend to exploit edges of pillows(?). Towards the bottom of the interval, the rock is intruded by monzonite dykes, which contain stronger concentrations of pyrite. Komatiite along the margins of the dykes has ben serpentinized. Monzonite dykes also have fine-grained chlorite along margins. Lower contact is sharp into monzonite.</p> <p>&lt;&lt; Min: 102.3 - 115.6: pyrite 0.5% FG Disseminated / molybdenite 0.1% FG Fracture-coating &gt;&gt;</p> <p>&lt;&lt; Alt: 102.3 - 115.6: ser moderate Pervasive / chl weak to moderate Pervasive / serp weak to moderate Selective / tal weak Pervasive / ksp moderate to strong Selective / mag weak to moderate Patchy &gt;&gt; ksp confined to monz dykes</p> <p>&lt;&lt; Vein: 102.3 - 115.6: QCVs 4% FG Undulating massive &gt;&gt;</p> |               |                               |          |        |        |          |        |        |        |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |                               | 105.30   | 106.80 | 1.50   | W934991  | -0.01  | -0.5   | 0.0048 | -0.0002 | 0.0053 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |                               | 106.80   | 108.00 | 1.20   | W934992  | -0.01  | -0.5   | 0.0049 | -0.0002 | 0.0063 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |                               | 108.00   | 109.40 | 1.40   | W934993  | -0.01  | -0.5   | 0.0038 | 0.0002  | 0.0068 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |                               | 109.40   | 110.20 | 0.80   | W934994  | 0.01   | 0.6    | 0.0099 | 0.0017  | 0.0041 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |                               | 110.20   | 111.00 | 0.80   | W934995  | -0.01  | -0.5   | 0.0029 | 0.0002  | 0.007  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |                               | 111.00   | 112.10 | 1.10   | W934996  | 0.01   | -0.5   | 0.0031 | 0.0003  | 0.0088 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |                               | 112.10   | 112.60 | 0.50   | W934997  | 0.02   | -0.5   | 0.0037 | 0.001   | 0.0037 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |                               | 112.60   | 113.60 | 1.00   | W934998  | 0.03   | -0.5   | 0.0037 | 0.0014  | 0.0043 |



Hole: GP20-02

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct  | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|---------|--------|
|          |        |                         | 113.60   | 114.60 | 1.00   | W935001  | 0.01   | -0.5   | 0.0042 | 0.0002  | 0.0059 |
|          |        |                         | 114.60   | 115.60 | 1.00   | W935002  | 0.01   | -0.5   | 0.0034 | -0.0002 | 0.0056 |

**115.60 119.00 Monz altd ksp py (ser) ((leux)) 106**

Light pink to pinkish gray, medium-grained, altered monzonite. Rock has experienced k-metasomatism and is possibly silicified. Weak sericite is present, and FeCarb is rare and blebby in veins. Very fine-grained leucosene speckles the rock. The unit is cut by both mineralized and unmineralized quartz-carb veins. Fine-grained pyrite is disseminated throughout the rock, concentrated along margins of veins. Weak-moderate patchy magnetism. Lower contact is sharp into komatiite.

<< Min: 115.6 - 119: pyrite 2% FG Disseminated >>

<< Alt: 115.6 - 119: ksp moderate to strong Pervasive / ser weak Pervasive / sil weak Pervasive / FeCarb weak Patchy >>

<< Vein: 115.6 - 119: QCVs 1% FG Undulating massive / QCVMs 0.5% VFG Planar >>

|        |        |      |         |       |      |        |        |        |
|--------|--------|------|---------|-------|------|--------|--------|--------|
| 115.60 | 115.90 | 0.30 | W935003 | 0.05  | -0.5 | 0.015  | 0.0006 | 0.005  |
| 115.90 | 116.90 | 1.00 | W935004 | 0.1   | -0.5 | 0.0273 | 0.0006 | 0.0044 |
| 116.90 | 117.90 | 1.00 | W935005 | 0.32  | -0.5 | 0.0139 | 0.0012 | 0.0056 |
| 117.90 | 119.00 | 1.10 | W935006 | 0.1   | -0.5 | 0.0118 | 0.0015 | 0.0053 |
| 119.00 | 120.00 | 1.00 | W935007 | -0.01 | -0.5 | 0.0069 | 0.0005 | 0.0073 |

**119.00 121.70 Kom Poly mag carb ((py)) 12**

Similar to komatiite above monzonite described in previous unit. Dark gray to dark green, fine-grained komatiite. Looks like an autobrecciated pillowed flow with hyaloclastic texture along pillow rims. Rock is chloritic, sericitc, and weakly carb and talc altered. Quartz carb veinlets cut the unit and fill space between fragments along pillow margins. Unit is foliated. Contains trace amounts of very fine-grained disseminated pyrite. Patchy weak-moderate magnetism. Lower contact is sharp into monzonite.

<< Min: 119 - 121.7: pyrite 0.5% VFG Disseminated >>

<< Alt: 119 - 121.7: ser moderate Pervasive / chl weak to moderate Pervasive / FeCarb weak Selective / tal weak Pervasive / mag weak to moderate Patchy >>

<< Vein: 119 - 121.7: QCVs 0.5% FG Undulating massive >>

|        |        |      |         |       |      |        |         |        |
|--------|--------|------|---------|-------|------|--------|---------|--------|
| 120.00 | 121.00 | 1.00 | W935008 | -0.01 | -0.5 | 0.0023 | -0.0002 | 0.0059 |
| 121.00 | 121.70 | 0.70 | W935009 | -0.01 | -0.5 | 0.0012 | 0.0002  | 0.0049 |

Hole: GP20-02

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|

**121.70 137.90 Monz altd ksp py (ser) 106**

Light grayish pink, medium grained monzonite. Rock has undergone k-metasomatism and appears to be weakly silicified. Weak to moderate sericite is present in the unit. Weak to moderate patchy magnetism. Interval is cut by multi-stage quartz-carb veins in addition to massive quartz veins. Mineralization consists of fine-grained disseminated pyrite, which is more concentrated in alteration halos around veins. At 128.9m, a singular crystal of olivine(?) stands out against pink monzonite. At 132.7m, a quartz-carb vein has chalcopyrite blebs on the margins. Contains xenoliths of ultramafic material. Slickensided fracture surfaces cut the interval. Lower contact is sharp along a vein into ultramafic.

<< Min: 121.7 - 137.9: pyrite 2% FG Disseminated / olivine 0.1% MG Blebby / chalcopyrite 0.1% FG Blebby / molybdenite 0.1% FG Vein >>

<< Alt: 121.7 - 137.9: ksp moderate to strong Halo / ser weak Halo / FeCarb weak Selective / sil weak Halo / mag weak to moderate Patchy >>

<< Vein: 121.7 - 137.9: QCVs 1% VFG Undulating coxcomb (parallel growth, prismatic) / QCVMs 0.5% VFG Undulating massive >>

|        |        |      |         |       |      |        |        |        |
|--------|--------|------|---------|-------|------|--------|--------|--------|
| 121.70 | 122.80 | 1.10 | W935011 | -0.01 | -0.5 | 0.0048 | 0.0019 | 0.0065 |
| 122.80 | 123.30 | 0.50 | W935012 | 0.01  | -0.5 | 0.0048 | 0.0019 | 0.0045 |
| 123.30 | 124.00 | 0.70 | W935013 | -0.01 | -0.5 | 0.0028 | 0.0017 | 0.0061 |
| 124.00 | 124.40 | 0.40 | W935014 | -0.01 | -0.5 | 0.004  | 0.002  | 0.0057 |
| 124.40 | 125.40 | 1.00 | W935015 | -0.01 | -0.5 | 0.0062 | 0.0018 | 0.0056 |
| 125.40 | 126.00 | 0.60 | W935016 | -0.01 | -0.5 | 0.0083 | 0.002  | 0.0071 |
| 126.00 | 126.60 | 0.60 | W935017 | -0.01 | -0.5 | 0.0038 | 0.0032 | 0.0053 |
| 126.60 | 127.80 | 1.20 | W935018 | -0.01 | -0.5 | 0.0046 | 0.0039 | 0.0057 |
| 127.80 | 128.40 | 0.60 | W935019 | 0.15  | -0.5 | 0.004  | 0.0018 | 0.0049 |
| 128.40 | 129.00 | 0.60 | W935021 | 0.01  | -0.5 | 0.0057 | 0.0015 | 0.0061 |
| 129.00 | 130.10 | 1.10 | W935022 | 0.04  | -0.5 | 0.005  | 0.0018 | 0.006  |
| 130.10 | 130.50 | 0.40 | W935023 | 0.09  | -0.5 | 0.0032 | 0.0015 | 0.0057 |
| 130.50 | 131.00 | 0.50 | W935024 | 0.29  | -0.5 | 0.0075 | 0.0016 | 0.006  |
| 131.00 | 132.00 | 1.00 | W935025 | 0.04  | -0.5 | 0.0027 | 0.0015 | 0.0056 |
| 132.00 | 132.50 | 0.50 | W935026 | 0.17  | -0.5 | 0.0026 | 0.0015 | 0.0054 |
| 132.50 | 133.00 | 0.50 | W935027 | 2.36  | -0.5 | 0.0025 | 0.0019 | 0.0054 |
| 133.00 | 133.50 | 0.50 | W935028 | 0.08  | -0.5 | 0.0014 | 0.0011 | 0.0057 |

Hole: GP20-02

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|          |        |                         | 133.50   | 134.10 | 0.60   | W935029  | 0.01   | -0.5   | 0.0036 | 0.0015 | 0.0053 |
|          |        |                         | 134.10   | 135.00 | 0.90   | W935031  | 0.06   | -0.5   | 0.0041 | 0.0013 | 0.0062 |
|          |        |                         | 135.00   | 135.50 | 0.50   | W935032  | 0.01   | -0.5   | 0.0092 | 0.0015 | 0.0049 |
|          |        |                         | 135.50   | 136.20 | 0.70   | W935034  | 0.07   | -0.5   | 0.0052 | 0.0018 | 0.0056 |
|          |        |                         | 136.20   | 136.80 | 0.60   | W935035  | 1.11   | 0.5    | 0.0071 | 0.002  | 0.0051 |
|          |        |                         | 136.80   | 137.20 | 0.40   | W935036  | 0.85   | -0.5   | 0.004  | 0.0006 | 0.0053 |
|          |        |                         | 137.20   | 137.90 | 0.70   | W935037  | 0.06   | -0.5   | 0.0102 | 0.0016 | 0.0079 |

**137.90 148.30 Kom Msv fol ser ((py)) 10**

Dark gray to dark green, fine-grained, massive komatiite. Rock is chloritic, sericitic, carb-altered, and very weakly talcose. Near upper and lower contacts with monzonite, the interval is serpentized. Moderate pervasive magnetism. Unit is cut by chaotic quartz-carb and carb veins/veinlets, which contain trace amounts of disseminated fine-grained pyrite. Very fine-grained pyrite is also disseminated throughout the rock mass. Unit is foliated, with fabric oriented at a moderate angle TCA. Lower contact is sharp into monzonite.

<< Min: 137.9 - 148.3: pyrite 0.1% VFG Disseminated >> py also diss in lith

<< Alt: 137.9 - 148.3: ser moderate Pervasive / chl weak to moderate Pervasive / mag moderate Pervasive / serp weak Selective / CaCarb weak Selective / tal weak Pervasive >>

<< Vein: 137.9 - 148.3: CVs 3% VFG Irregular/Blebby massive / QCVs 1% VFG massive >> QCVs contain clots of chlorite

|        |        |      |         |       |      |        |         |        |
|--------|--------|------|---------|-------|------|--------|---------|--------|
| 137.90 | 139.30 | 1.40 | W935038 | 0.01  | 4.2  | 0.0056 | -0.0002 | 0.0075 |
| 139.30 | 140.80 | 1.50 | W935039 | -0.01 | -0.5 | 0.0034 | 0.0002  | 0.0064 |
| 140.80 | 142.10 | 1.30 | W935041 | -0.01 | -0.5 | 0.0055 | -0.0002 | 0.0073 |
| 142.10 | 143.50 | 1.40 | W935042 | -0.01 | -0.5 | 0.0043 | 0.0004  | 0.0064 |
| 143.50 | 144.40 | 0.90 | W935043 | -0.01 | -0.5 | 0.0061 | -0.0002 | 0.0065 |
| 144.40 | 145.90 | 1.50 | W935044 | -0.01 | -0.5 | 0.0042 | 0.0004  | 0.0065 |
| 145.90 | 147.00 | 1.10 | W935045 | -0.01 | -0.5 | 0.0036 | -0.0002 | 0.0081 |
| 147.00 | 147.70 | 0.70 | W935046 | -0.01 | -0.5 | 0.0016 | 0.0005  | 0.0085 |
| 147.70 | 148.30 | 0.60 | W935047 | 0.01  | -0.5 | 0.0003 | 0.0003  | 0.0162 |
| 148.30 | 148.60 | 0.30 | W935048 | 0.01  | 1    | 0.0006 | 0.0012  | 0.0117 |

Hole: GP20-02

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | To (m)        | Rock Type & Description              | From (m)   | To (m) | Length | Sample # | Au ppm  | Ag ppm | Cu pct | Pb pct  | Zn pct |       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------|------------|--------|--------|----------|---------|--------|--------|---------|--------|-------|
| <b>148.30</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>153.40</b> | <b>Monz altd ksp py FeCarb (alb)</b> | <b>106</b> | 148.60 | 149.40 | 0.80     | W935049 | 0.01   | -0.5   | 0.0012  | 0.0009 | 0.003 |
| <p>Light pinkish, medium-grained, altered monzonite. Rock has undergone k-metasomatism and is also albite-altered. Contains weak to moderate FeCarb and is possibly silicified. Kspar alteration is most intense in halos around mineralized quartz-carb veins, which contain blebby fine- to medium-grained pyrite. Pyrite is also finely disseminated throughout the rock mass. From 151.9-152.9m there is ultramafic material, from interfingering of monzonite into komatiites. Lower contact is sharp back into ultramafics.</p> <p>&lt;&lt; Min: 148.3 - 153.4: pyrite 2% FG Disseminated &gt;&gt; py also blebby in QCVMs</p> <p>&lt;&lt; Alt: 148.3 - 153.4: ksp moderate to strong Halo / FeCarb weak to moderate Halo / mag weak to moderate Patchy / sil weak to moderate Halo / alb weak Halo &gt;&gt;</p> <p>&lt;&lt; Vein: 148.3 - 153.4: QCVMs 2% FG Undulating massive / QCVs 0.5% FG Irregular/Blebby massive &gt;&gt;</p> |               |                                      | 149.40     | 150.00 | 0.60   | W935051  | 0.03    | -0.5   | 0.0015 | 0.0027  | 0.0034 |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |                                      | 150.00     | 150.40 | 0.40   | W935052  | -0.01   | -0.5   | 0.0018 | 0.0044  | 0.007  |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |                                      | 150.40     | 150.90 | 0.50   | W935053  | -0.01   | -0.5   | 0.0013 | 0.0034  | 0.0055 |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |                                      | 150.90     | 152.00 | 1.10   | W935054  | -0.01   | -0.5   | 0.0019 | 0.0028  | 0.0053 |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |                                      | 152.00     | 152.90 | 0.90   | W935055  | -0.01   | -0.5   | 0.0035 | -0.0002 | 0.0068 |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |                                      | 152.90     | 153.40 | 0.50   | W935056  | -0.01   | -0.5   | 0.0087 | 0.002   | 0.0068 |       |
| <b>153.40</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>159.90</b> | <b>Kom Spx chl tal carb ((py))</b>   | <b>11</b>  |        |        |          |         |        |        |         |        |       |
| <p>Dark green to dark gray, fine-grained komatiite with spinifex texture. Rock is chloritic, weakly to moderately talcose, and weakly carb altered. Pervasively weakly-moderately magnetic. Unit locally exhibits autobreccia(?) texture. The interval is cut by thin quartz-carb veins and fracture-filling carb veinlets. Mineralization is sparse and consists of fine-grained disseminated pyrite near contacts. Small faults cut the lithology. Lower contact is sharp into monzonite.</p> <p>&lt;&lt; Min: 153.4 - 159.9: pyrite 0.1% VFG Disseminated &gt;&gt;</p> <p>&lt;&lt; Alt: 153.4 - 159.9: chl moderate Pervasive / tal weak to moderate Pervasive / mag weak to moderate Pervasive / CaCarb weak Patchy &gt;&gt;</p> <p>&lt;&lt; Vein: 153.4 - 159.9: QCVs 1% FG Planar massive / CVs 1% VFG Irregular/Blebby massive &gt;&gt; CVs are fracture filling</p>                                                                 |               |                                      | 153.40     | 154.90 | 1.50   | W935057  | -0.01   | -0.5   | 0.0035 | 0.0003  | 0.0064 |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |                                      | 154.90     | 156.00 | 1.10   | W935058  | -0.01   | -0.5   | 0.0052 | -0.0002 | 0.007  |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |                                      | 156.00     | 157.50 | 1.50   | W935059  | -0.01   | -0.5   | 0.0063 | -0.0002 | 0.0062 |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |                                      | 157.50     | 159.00 | 1.50   | W935061  | -0.01   | -0.5   | 0.0033 | -0.0002 | 0.0065 |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |                                      | 159.00     | 159.90 | 0.90   | W935062  | -0.01   | 0.6    | 0.0068 | 0.0008  | 0.006  |       |

Hole: GP20-02

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|

**159.90 162.70 Monz altd ksp carb (py) ((alb)) 106**

Dark pink to sparsely light pink, medium-grained, altered monzonite. Rock has undergone a moderate degree of k-metasomatism, and is pervasively CaCarb-altered, though not in vein envelopes with strong kspar. Weak albitization is present around veins. The interval is crosscut by mineralized quartz-carb veins that contain blebby to cubic fine- to medium-grained pyrite. Weak to moderate patchy magnetism can be attributed to the presence of fine- to medium-grained magnetite. Lower contact is broken into komatiite.

<< Min: 159.9 - 162.7: magnetite 6% FG Disseminated / pyrite 4% MG Disseminated >>

<< Alt: 159.9 - 162.7: ksp moderate Halo / CaCarb moderate Pervasive / mag weak to moderate Patchy / alb weak Halo >>

<< Vein: 159.9 - 162.7: QCVMs 1.5% FG Undulating massive >>

|        |        |      |         |       |      |        |        |        |
|--------|--------|------|---------|-------|------|--------|--------|--------|
| 159.90 | 160.90 | 1.00 | W935063 | 0.13  | -0.5 | 0.0136 | 0.0025 | 0.0066 |
| 160.90 | 161.40 | 0.50 | W935064 | 0.01  | -0.5 | 0.013  | 0.0028 | 0.0071 |
| 161.40 | 161.80 | 0.40 | W935065 | -0.01 | 0.5  | 0.0109 | 0.0031 | 0.0049 |
| 161.80 | 162.70 | 0.90 | W935067 | -0.01 | -0.5 | 0.0121 | 0.0024 | 0.0062 |

**162.70 187.20 Kom chl carb tal (fol) 10**

Dark gray to dark green, fine-grained komatiite. Unit is chloritic, carb-altered, and weakly to moderately talcose. Patchy moderate magnetism. The interval is cut by thin quartz-carb veins and thinner, fracture-filling carb veinlets. Mineralization consists of trace amounts of very fine-grained pyrite disseminated throughout the rock mass. The upper portion of the interval is foliated at a moderate angle TCA. Small faults crosscut the unit. Lower contact is sharp back into altered monzonite.

<< Min: 162.7 - 187.2: pyrite 0.1% VFG Disseminated >>

<< Alt: 162.7 - 187.2: CaCarb moderate Patchy / chl moderate Pervasive / tal moderate Pervasive / mag moderate Patchy >>

<< Vein: 162.7 - 187.2: QCVs 1.5% VFG Undulating massive / CVs 2% VFG Irregular/Blebby massive >> CVs fracture-filling

|        |        |      |         |       |      |        |         |        |
|--------|--------|------|---------|-------|------|--------|---------|--------|
| 162.70 | 164.20 | 1.50 | W935068 | -0.01 | -0.5 | 0.0023 | -0.0002 | 0.0064 |
| 164.20 | 165.00 | 0.80 | W935069 | -0.01 | -0.5 | 0.0013 | 0.0003  | 0.0046 |
| 165.00 | 166.50 | 1.50 | W935071 | -0.01 | -0.5 | 0.0034 | 0.0005  | 0.0063 |
| 166.50 | 168.00 | 1.50 | W935072 | -0.01 | -0.5 | 0.0028 | 0.0005  | 0.0058 |
| 168.00 | 169.50 | 1.50 | W935073 | -0.01 | -0.5 | 0.0059 | 0.0005  | 0.0068 |
| 169.50 | 171.00 | 1.50 | W935074 | -0.01 | -0.5 | 0.0034 | 0.0004  | 0.007  |

Hole: GP20-02

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|          |        |                         | 171.00   | 171.80 | 0.80   | W935075  | -0.01  | -0.5   | 0.0037 | 0.0004 | 0.0056 |
|          |        |                         | 171.80   | 172.50 | 0.70   | W935076  | 0.01   | -0.5   | 0.0042 | 0.0002 | 0.0057 |
|          |        |                         | 172.50   | 174.00 | 1.50   | W935077  | -0.01  | -0.5   | 0.0052 | 0.0008 | 0.0063 |
|          |        |                         | 174.00   | 175.50 | 1.50   | W935078  | -0.01  | -0.5   | 0.0036 | 0.0003 | 0.0069 |
|          |        |                         | 175.50   | 177.00 | 1.50   | W935079  | -0.01  | -0.5   | 0.0041 | 0.0004 | 0.006  |
|          |        |                         | 177.00   | 178.50 | 1.50   | W935081  | -0.01  | -0.5   | 0.0034 | 0.0006 | 0.0081 |
|          |        |                         | 178.50   | 180.00 | 1.50   | W935082  | -0.01  | -0.5   | 0.0052 | 0.0005 | 0.0057 |
|          |        |                         | 180.00   | 181.50 | 1.50   | W935083  | -0.01  | -0.5   | 0.0039 | 0.0006 | 0.0059 |
|          |        |                         | 181.50   | 183.00 | 1.50   | W935084  | 0.01   | -0.5   | 0.0053 | 0.0006 | 0.0059 |
|          |        |                         | 183.00   | 184.50 | 1.50   | W935085  | -0.01  | -0.5   | 0.0048 | 0.0005 | 0.006  |
|          |        |                         | 184.50   | 186.00 | 1.50   | W935086  | -0.01  | -0.5   | 0.0054 | 0.0003 | 0.0063 |
|          |        |                         | 186.00   | 187.20 | 1.20   | W935087  | -0.01  | -0.5   | 0.004  | 0.0005 | 0.0065 |

**187.20 197.50 Monz altd ksp carb (py) ((mo)) 106**

Light grayish pink, medium grained, altered monzonite. Rock has undergone k-metasomatism, has been moderately silicified, and is weakly carb-altered. Weak albitization has occurred in vein envelopes as well. Chlorite locally replaces feldspars. Unit is crosscut by quartz-carb veins that locally contain clots of chlorite and FeCarb. Mineralization consists of fine-grained pyrite disseminated throughout the rock, concentrated in alteration halos around veins, and minor amounts of fracture-coating molybdenite. Unit contains ultramafic xenoliths. Lower contact is sharp into komatiite.

<< Min: 187.2 - 197.5: pyrite 7% MG Disseminated / molybdenite 0.1% FG Fracture-coating >> Pyrite is more euhedral and coarser grained along edges of veins

<< Alt: 187.2 - 197.5: ksp moderate to strong Halo / sil moderate Pervasive / CaCarb weak Pervasive / FeCarb weak Selective / alb weak Halo / chl weak Selective >>

<< Vein: 187.2 - 197.5: QCVMs 2% FG Planar zoned/multistage (no others, describe in comments) / QCVs 1.5% VFG Planar massive >>

|        |        |      |         |      |      |        |        |        |
|--------|--------|------|---------|------|------|--------|--------|--------|
| 187.20 | 187.80 | 0.60 | W935088 | 0.01 | -0.5 | 0.0029 | 0.0018 | 0.0098 |
| 187.80 | 189.00 | 1.20 | W935089 | 0.03 | -0.5 | 0.0037 | 0.0013 | 0.0096 |
| 189.00 | 189.60 | 0.60 | W935091 | 0.01 | -0.5 | 0.018  | 0.0011 | 0.0058 |
| 189.60 | 190.20 | 0.60 | W935092 | 0.01 | -0.5 | 0.0186 | 0.0011 | 0.008  |
| 190.20 | 190.90 | 0.70 | W935093 | 0.2  | -0.5 | 0.0137 | 0.0008 | 0.006  |
| 190.90 | 191.40 | 0.50 | W935094 | 0.03 | -0.5 | 0.0145 | 0.0011 | 0.0079 |

Hole: GP20-02

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | To (m)        | Rock Type & Description          | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|-----------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                  | 191.40   | 192.00 | 0.60   | W935095  | -0.01  | -0.5   | 0.0069 | 0.0012 | 0.0077    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                  | 192.00   | 192.60 | 0.60   | W935096  | 0.01   | -0.5   | 0.0055 | 0.0017 | 0.0075    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                  | 192.60   | 193.30 | 0.70   | W935097  | 0.01   | -0.5   | 0.0079 | 0.0016 | 0.008     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                  | 193.30   | 194.20 | 0.90   | W935098  | 0.02   | 0.6    | 0.0056 | 0.002  | 0.0078    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                  | 194.20   | 195.00 | 0.80   | W935101  | -0.01  | -0.5   | 0.0044 | 0.0017 | 0.0085    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                  | 195.00   | 196.00 | 1.00   | W935102  | -0.01  | -0.5   | 0.0017 | 0.002  | 0.0093    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                  | 196.00   | 196.90 | 0.90   | W935103  | 0.01   | -0.5   | 0.0038 | 0.0016 | 0.0088    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                  | 196.90   | 197.20 | 0.30   | W935104  | 0.06   | -0.5   | 0.0028 | 0.0011 | 0.006     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                  | 197.20   | 197.50 | 0.30   | W935105  | 0.02   | -0.5   | 0.0041 | 0.0018 | 0.0077    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                  | 197.50   | 197.90 | 0.40   | W935106  | 0.01   | -0.5   | 0.012  | 0.0006 | 0.0092    |
| <b>197.50</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>211.80</b> | <b>Kom Msv chl carb tal (py)</b> |          |        |        |          |        |        |        |        | <b>10</b> |
| <p>Dark gray to dark green, fine-grained komatiite. Interval is chloritic, carb-altered, and talcose. The lithology is crosscut by chaotic carb veining, which also fill fractures as carb veinlets. Mineralization in the unit consists of minor amounts of disseminated pyrite. Small faults and monzonite dykes cut through the rock. A 10cm interval at 199.0m has spinifex texture. Lower contact is broken/faulted.</p> <p>&lt;&lt; Min: 197.5 - 211.8: pyrite 0.5% FG Disseminated &gt;&gt;</p> <p>&lt;&lt; Alt: 197.5 - 211.8: tal moderate Pervasive / chl weak to moderate Pervasive / CaCarb weak Patchy &gt;&gt;</p> <p>&lt;&lt; Vein: 197.5 - 211.8: CVs 3% VFG Irregular/Blebby massive &gt;&gt;</p> |               |                                  |          |        |        |          |        |        |        |        |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                  | 197.90   | 198.50 | 0.60   | W935107  | 0.03   | 0.6    | 0.0066 | 0.0017 | 0.0057    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                  | 198.50   | 199.10 | 0.60   | W935108  | 0.01   | -0.5   | 0.0084 | 0.0008 | 0.0093    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                  | 199.10   | 199.90 | 0.80   | W935109  | 0.01   | -0.5   | 0.0076 | 0.0003 | 0.0087    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                  | 199.90   | 200.30 | 0.40   | W935111  | 0.03   | 0.5    | 0.0039 | 0.0023 | 0.002     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                  | 200.30   | 201.00 | 0.70   | W935112  | 0.01   | -0.5   | 0.0026 | 0.0003 | 0.0081    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                  | 201.00   | 201.50 | 0.50   | W935113  | -0.01  | -0.5   | 0.0073 | 0.0005 | 0.0061    |
| <b>211.80</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>212.40</b> | <b>Fault gg (py)</b>             |          |        |        |          |        |        |        |        | <b>7</b>  |
| <p>Dark gray, gougey fault cutting through komatiite. Gouge is muddy and calcareous. Rock has been broken into gravelly pieces. Contains small amounts of pyrite disseminated in broken core. Lower contact is marked by change back into more competent core.</p> <p>&lt;&lt; Min: 211.8 - 212.4: pyrite 0.5% FG Disseminated &gt;&gt;</p> <p>&lt;&lt; Alt: 211.8 - 212.4: tal moderate Pervasive / chl moderate Pervasive / CaCarb weak to moderate Selective &gt;&gt;</p>                                                                                                                                                                                                                                       |               |                                  |          |        |        |          |        |        |        |        |           |
| <b>212.40</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>216.80</b> | <b>Kom Msv chl carb tal (py)</b> |          |        |        |          |        |        |        |        | <b>10</b> |
| <p>Same komatiite as above fault. Dark gray to dark green, fine-grained komatiite. Interval is chloritic, carb-altered, and talcose. The lithology is crosscut by chaotic carb veining, which also fill fractures as carb veinlets. Mineralization in the unit consists of minor amounts of disseminated pyrite. Lower contact is broken/faulted.</p>                                                                                                                                                                                                                                                                                                                                                              |               |                                  |          |        |        |          |        |        |        |        |           |

Hole: GP20-02

| From (m)                                                                                                                                                                                                                                                                                                                                       | To (m)        | Rock Type & Description          | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|-----------|
| << Min: 212.4 - 216.8: pyrite 0.5% FG Disseminated >><br><< Alt: 212.4 - 216.8: tal moderate Pervasive / chl weak to moderate Pervasive / CaCarb weak Patchy >><br><< Vein: 212.4 - 216.8: CVs 3% VFG Irregular/Blebby massive >>                                                                                                              |               |                                  |          |        |        |          |        |        |        |        |           |
| <b>216.80</b>                                                                                                                                                                                                                                                                                                                                  | <b>217.50</b> | <b>Fault gg (py)</b>             |          |        |        |          |        |        |        |        | <b>7</b>  |
| Gougey fault cutting through komatiite. Gouge is muddy to gravelly and calcareous. Rock has been broken into gravelly pieces. Contains small amounts of pyrite disseminated in broken core. Lower contact is marked by change back into more competent core.                                                                                   |               |                                  |          |        |        |          |        |        |        |        |           |
| << Min: 216.8 - 217.5: pyrite 0.5% FG Disseminated >><br><< Alt: 216.8 - 217.5: tal moderate Pervasive / chl moderate Pervasive / CaCarb weak to moderate Selective >>                                                                                                                                                                         |               |                                  |          |        |        |          |        |        |        |        |           |
| <b>217.50</b>                                                                                                                                                                                                                                                                                                                                  | <b>240.00</b> | <b>Kom Msv chl carb tal (py)</b> |          |        |        |          |        |        |        |        | <b>10</b> |
| Same komatiite as above fault. Dark gray to dark green, fine-grained komatiite. Interval is chloritic, carb-altered, and talcose. The lithology is crosscut by chaotic carb veining, which also fill fractures as carb veinlets. Mineralization in the unit consists of minor amounts of disseminated pyrite. Lower contact is broken/faulted. |               |                                  |          |        |        |          |        |        |        |        |           |
| << Min: 217.5 - 240: pyrite 0.5% FG Disseminated >> py grain size increases towards EOH<br><< Alt: 217.5 - 240: tal moderate Pervasive / chl weak to moderate Pervasive / CaCarb weak Patchy >><br><< Vein: 217.5 - 240: CVs 3% VFG Irregular/Blebby massive >>                                                                                |               |                                  |          |        |        |          |        |        |        |        |           |
| <b>240.00</b>                                                                                                                                                                                                                                                                                                                                  |               | <b>EOH</b>                       |          |        |        |          |        |        |        |        | <b>0</b>  |

|        |        |      |         |       |      |       |        |        |
|--------|--------|------|---------|-------|------|-------|--------|--------|
| 236.50 | 237.00 | 0.50 | W935114 | 0.01  | -0.5 | 0.009 | 0.0004 | 0.0073 |
| 237.00 | 237.60 | 0.60 | W935115 | -0.01 | -0.5 | 0.009 | 0.0003 | 0.0072 |

End of Hole @ 240



**Project:** Golden Perimeter

**Hole:** GP20-03

|                             |                  |                     |                |                         |                 |                          |                          |
|-----------------------------|------------------|---------------------|----------------|-------------------------|-----------------|--------------------------|--------------------------|
| <b>Prospect:</b>            | Golden Perimeter | <b>Survey Type:</b> | Trimble R1     | <b>Logged By:</b>       | Jessica Roberts | <b>Hole Type:</b>        | DD                       |
| <b>Datum:</b>               | NAD83            | <b>Survey By:</b>   | Conor McKinley | <b>Date Started:</b>    | 2020-03-06      | <b>Core Size:</b>        | NQ                       |
| <b>Vertical Datum:</b>      |                  | <b>Azimuth:</b>     | 0              | <b>Date Completed:</b>  | 2020-03-08      | <b>Casing Pulled?:</b>   | <input type="checkbox"/> |
| <b>Zone:</b>                | 17N              | <b>Dip:</b>         | -50            | <b>Drill Company:</b>   | Norex           | <b>Casing Depth (m):</b> | 37                       |
| <b>UTM East:</b>            | 504325.79899     | <b>Length (m):</b>  | 201            | <b>Drill Started:</b>   | 2020-05-03      | <b>H Core Depth (m):</b> |                          |
| <b>UTM North:</b>           | 5349931.5747     | <b>Comments:</b>    |                | <b>Drill Completed:</b> | 2020-07-03      | <b>N Core Depth (m):</b> | 201                      |
| <b>UTM Elevation (m):</b>   | 269.89982        |                     |                |                         |                 | <b>B Core Depth (m):</b> |                          |
| <b>Local Grid:</b>          |                  |                     |                |                         |                 |                          |                          |
| <b>Local East:</b>          |                  |                     |                |                         |                 |                          |                          |
| <b>Local North:</b>         |                  |                     |                |                         |                 |                          |                          |
| <b>Local Elevation (m):</b> |                  |                     |                |                         |                 |                          |                          |

| Depth (m) | Survey Method  | Survey By | Date Surveyed | Dip   | Azimuth | Mag. Field | Accept Values?                      | Comments                                                |
|-----------|----------------|-----------|---------------|-------|---------|------------|-------------------------------------|---------------------------------------------------------|
| 0         | Reflex EZ Shot |           |               | -50   | 360     |            | <input checked="" type="checkbox"/> | Dummy survey based on planned dip/azi Neal Maguire      |
| 48        | Reflex EZ Shot |           |               | -51   | 1.1     | 5629       | <input checked="" type="checkbox"/> | Azi calculated from collar and 108m survey Neal Maguire |
| 78        | Reflex EZ Shot |           |               | -51.2 | 1.8     | 5544       | <input checked="" type="checkbox"/> | Azi calculated from collar and 108m survey Neal Maguire |
| 108       | Reflex EZ Shot |           |               | -51.3 | 2.5     | 5526       | <input checked="" type="checkbox"/> | Mag check OK Neal Maguire                               |
| 138       | Reflex EZ Shot |           |               | -51.2 | 2.5     | 5538       | <input checked="" type="checkbox"/> | Mag check OK Neal Maguire                               |
| 168       | Reflex EZ Shot |           |               | -51.2 | 3.5     | 5506       | <input checked="" type="checkbox"/> | Mag check OK Neal Maguire                               |

Hole: GP20-03

| Depth (m) | Survey Method  | Survey By | Date Surveyed | Dip   | Azimuth | Mag. Field | Accept Values?                      | Comments                                                |
|-----------|----------------|-----------|---------------|-------|---------|------------|-------------------------------------|---------------------------------------------------------|
| 201       | Reflex EZ Shot |           |               | -51.2 | 3.5     | 5451       | <input checked="" type="checkbox"/> | High magsus, bad survey, previous azi used Neal Maguire |

Hole: GP20-03

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|

|             |              |               |  |  |  |  |  |  |  |  |  |
|-------------|--------------|---------------|--|--|--|--|--|--|--|--|--|
| <b>0.00</b> | <b>39.00</b> | <b>Casing</b> |  |  |  |  |  |  |  |  |  |
|-------------|--------------|---------------|--|--|--|--|--|--|--|--|--|

Drill hole GP20-03 was designed to test the mag low and carbonate-fuchsite horizon between holes 280A-17 and 280A-12A, and test the edge of a resistivity low and chargeability high (ie. amenable to hosting disseminated sulphides associated with gold in sheared or faulted environments). The hole successfully intersected a light green, fine-grained, strongly carbonate-silica-fuchsite-altered komatiite with trace, blebby, fine grained pyrite from 120-129 meters depth. Weaker carbonate-fuchsite alteration is intersected over 38 meters enveloping the strongest alteration zone.

The hole is collared in thick overburden and intersects bedrock (massive komatiite) at 39m. The massive komatiite is dark grey to black, fine-grained, moderately magnetic, weakly to moderately talcose, and weakly ankerite altered. The komatiite contains speckled patches due to coarser-grained Fe-carbonate replacement. Abundant white chaotic ankerite veins/veinlets are present throughout the komatiite. Komatiite with spinifex texture was intersected over 2 metres at 81.1 meters depth.

Weak to moderate carbonate-fuchsite alteration is intersected at 101m. Iron-carbonate alteration is more pervasive while the fuchsite alteration is constrained to certain vein haloes. Stronger alteration zones are mag-destructive, whereas most other komatiite units are magnetic. The alteration follows an increase in planar, quartz>ankerite veins. Chaotic ankerite veining decreases downhole and the veins/veinlets are partly silicified.

A sharp alteration front is intersected at 120m where the komatiite becomes strongly carbonate-fuchsite altered and minty green in colour. Moderately abundant milky white, planar quartz-ankerite veins (on average 2cm thick) are observed throughout this zone. The lower contact of the altered zone is gradational at around 129m back into less strongly and more patchily altered massive komatiite like above (fuchsite alteration is restricted to vein envelopes). Local patches of bright orange Fe-carbonate randomly occur throughout.

A small interval of monzonite (possible dyke) is intersected from 196.7-198.6m. The monzonite is dark pinkish-grey, fine-grained, and weakly pyritic (but notably more so than the komatiite). Minor planar and vuggy quartz-carb-py veinlets are present in the monzonite. The komatiite is sheared/contorted immediately above and below the monzonite. The hole is terminated in the same weakly altered massive komatiite as above at 201m.

|              |              |                                  |  |  |  |  |  |  |  |  |  |
|--------------|--------------|----------------------------------|--|--|--|--|--|--|--|--|--|
| <b>39.00</b> | <b>78.00</b> | <b>Kom Msv mag (talc) Vnd CV</b> |  |  |  |  |  |  |  |  |  |
|--------------|--------------|----------------------------------|--|--|--|--|--|--|--|--|--|

Dark grey to black, fine-grained, moderately magnetic, weakly to moderately talc altered (Quite soft, a bit greasy), weakly ankerite altered, massive komatiite. Large sections of abundant fine to very fine grained iron carb-replaced specks (called varioles in historic log). A few thin gouge faults throughout. Core is easily broken, especially along veins. Abundant chaotic and irregular white FeCarb veinlets throughout. Fg disseminated mt throughout, local cubic grains in FeCarb veinlets. Weakly oxidized. Trace blebby fg py throughout.

LCT is irregular broken core into fault.

<< Min: 39 - 78: magnetite 10% FG Disseminated / pyrite 0.5% FG Blebby >> Fg mt disseminated throughout and also minor cubic grains in carb veinlets. Partially oxidized. Local blebs of fg py

|       |       |      |         |      |      |        |        |        |
|-------|-------|------|---------|------|------|--------|--------|--------|
| 40.00 | 40.50 | 0.50 | W935116 | 0.01 | -0.5 | 0.0046 | 0.0004 | 0.0072 |
|-------|-------|------|---------|------|------|--------|--------|--------|

|       |       |      |         |      |      |        |         |        |
|-------|-------|------|---------|------|------|--------|---------|--------|
| 70.00 | 70.50 | 0.50 | W935117 | 0.01 | -0.5 | 0.0041 | -0.0002 | 0.0059 |
|-------|-------|------|---------|------|------|--------|---------|--------|

Hole: GP20-03

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | To (m)       | Rock Type & Description         | From (m) | To (m) | Length | Sample #  | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------------------|----------|--------|--------|-----------|--------|--------|--------|--------|--------|
| <p>&lt;&lt; Alt: 39 - 78: mag moderate Pervasive / tal weak to moderate Pervasive / FeCarb weak Pervasive &gt;&gt;</p> <p>&lt;&lt; Vein: 39 - 78: CVs 12% FG Irregular/Blebby massive &gt;&gt; Creamy white to bright white, chaotic/irregular/discontinuous FeCarb veinlets throughout (ankerite). Very weak fizz, stronger when scratched. Commonly contain minor cubic grains of partially oxidized mt grains. Local planar veinlets, a few representative measurements taken and featured in structures tab</p>                                                                                                                                                                                                                                                                                                                                                |              |                                 |          |        |        |           |        |        |        |        |        |
| <b>78.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>78.70</b> | <b>Fault (gg) Kom Msv CVs</b>   |          |        |        | <b>7</b>  |        |        |        |        |        |
| <p>Strongly broken/faulted komatiite massive described above. Most gouge washed away? Local 10cm FeCarb vein with punky oxidized/vuggy texture (weak FeOx). Fragments of core are very weak and easily crumble between fingers.</p> <p>LCT is irregular fault surface at very low angle to core axis (subparallel to fault seams above?)</p> <p>&lt;&lt; Alt: 78 - 78.7: mag moderate Pervasive / tal weak to moderate Pervasive / FeCarb weak Pervasive / FeOx weak Selective &gt;&gt;</p>                                                                                                                                                                                                                                                                                                                                                                        |              |                                 |          |        |        |           |        |        |        |        |        |
| <b>78.70</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>81.10</b> | <b>Kom Msv mag (tal) Vnd CV</b> |          |        |        | <b>10</b> |        |        |        |        |        |
| <p>Same as komatiite above.</p> <p>LCT is gradational into similar komatiite but with faint spinifex texture.</p> <p>&lt;&lt; Min: 78.7 - 81.1: magnetite 10% FG Disseminated / pyrite 2% FG Blebby &gt;&gt; Fg mt disseminated throughout and also minor cubic grains in carb veinlets. Partially oxidized. Local blebs of fg py.</p> <p>&lt;&lt; Alt: 78.7 - 81.1: mag moderate Pervasive / tal weak to moderate Pervasive / FeCarb weak Pervasive &gt;&gt;</p> <p>&lt;&lt; Vein: 78.7 - 81.1: CVs 12% FG Irregular/Blebby massive &gt;&gt; Creamy white to bright white, chaotic/irregular/discontinuous FeCarb veinlets throughout (ankerite). Very weak fizz, stronger when scratched. Commonly contain minor cubic grains of partially oxidized mt grains. Local planar veinlets, a few representative measurements taken and featured in structures tab</p> |              |                                 |          |        |        |           |        |        |        |        |        |
| <b>81.10</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>83.10</b> | <b>Kom Spx mag (tal) Vnd CV</b> |          |        |        | <b>11</b> |        |        |        |        |        |
| <p>Same as above komatiite but with faint spinifex texture. Slightly more abundant py, mg cubic.</p> <p>LCT is gradational back into massive komatiite.</p> <p>&lt;&lt; Min: 81.1 - 83.1: magnetite 10% FG Disseminated / pyrite 0.5% FG Blebby &gt;&gt;</p> <p>&lt;&lt; Alt: 81.1 - 83.1: mag moderate Pervasive / tal weak to moderate Pervasive / FeCarb weak Pervasive &gt;&gt;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              |                                 |          |        |        |           |        |        |        |        |        |

Hole: GP20-03

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | To (m)        | Rock Type & Description                    | From (m) | To (m)  | Length | Sample # | Au ppm | Ag ppm  | Cu pct | Pb pct | Zn pct    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------|----------|---------|--------|----------|--------|---------|--------|--------|-----------|
| <p>&lt;&lt; Vein: 81.1 - 83.1: CVs 12% FG Irregular/Blebby massive / QCVs 1% MG Planar massive &gt;&gt; Creamy white to bright white, chaotic/irregular/discontinuous FeCarb veinlets throughout (ankerite). Very weak fizz, stronger when scratched. Commonly contain minor cubic grains of partially oxidized mt grains.<br/>Local planar veinlets, a few representative measurements taken and featured in structures tab. Minor planar qtz-carb veins</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                            |          |         |        |          |        |         |        |        |           |
| <b>83.10</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>101.00</b> | <b>Kom Msv mag (talc) Vnd CV (qcv)</b>     |          |         |        |          |        |         |        |        | <b>10</b> |
| <p>Same as above massive komatiite but starting to see a few quartz-carb veins mixed in with FeCarb veinlet. Still dominantly FeCarb veinlets. QCVs are dominantly planar, locally associated with minor serp alteration envelopes.</p> <p>LCT is gradational at ~101m into more carb altered, non magnetic massive komatiite with an increased abundance of FeCarb specks (replacement after unknown ultramafic mineral).</p> <p>&lt;&lt; Min: 83.1 - 101: magnetite 10% FG Disseminated / pyrite 0.1% FG Blebby &gt;&gt; same minz'n as above</p> <p>&lt;&lt; Alt: 83.1 - 101: mag moderate Pervasive / tal weak to moderate Pervasive / FeCarb weak Pervasive &gt;&gt;</p> <p>&lt;&lt; Vein: 83.1 - 101: CVs 12% FG Irregular/Blebby massive / QCVs 2% MG Planar massive &gt;&gt; same CVs as above, slight increase in abundance of QCVs.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                                            |          |         |        |          |        |         |        |        |           |
| <b>101.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>120.00</b> | <b>Kom Msv (Carb-Fuch)sil ((serp)) QCV</b> |          |         |        |          |        |         |        |        | <b>10</b> |
| <p>Medium greenish grey, fine-grained, massive komatiite with moderate carb-fuch and weak to moderate serpentine alteration. Carb alteration is more pervasive than fuchsite (fuch is patchy, associated with QCV envelopes. Cut by abundant subplanar white, medium- to coarse-grained, ankerite-quartz veins. Chaotic carb veining is not as abundant as above. Local/minor orange irregular FeCarb veining and speckled alteration from 116.3-117.7m. Overall this interval of komatiite has a more speckled appearance than previous komatiite (more carb-replaced grains).</p> <p>LCT is marked sharp alteration front where fuchsite alt'n strengthens and rock is more minty green.</p> <p>&lt;&lt; Min: 101 - 120: pyrite 1% FG Blebby &gt;&gt;</p> <p>&lt;&lt; Alt: 101 - 120: FeCarb moderate Pervasive / fuch weak to moderate Patchy / tal weak to moderate Pervasive / serp weak Selective / sil weak Pervasive &gt;&gt; Fuch alteration strongest near veins, weak throughout. Local serp near veins margins/in fractures.</p> <p>&lt;&lt; Vein: 101 - 120: QCVs 10% MG Planar massive / CVs 5% FG Irregular/Blebby massive &gt;&gt; subparallel, roughly planar mg to cg QCVs. Dominantly ankerite with minor qtz. Chaotic FeCarb veins are less abundant where QCVs are strongest. Local orange irregular FeCarb veinlets from 116.3-117.7m.</p> |               |                                            |          |         |        |          |        |         |        |        |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 103.00        | 103.50                                     | 0.50     | W935118 | -0.01  | -0.5     | 0.0025 | -0.0002 | 0.0064 |        |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 108.00        | 108.50                                     | 0.50     | W935119 | 0.01   | -0.5     | 0.0066 | 0.0003  | 0.0058 |        |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 109.50        | 111.00                                     | 1.50     | W935121 | -0.01  | -0.5     | 0.0022 | 0.0002  | 0.0046 |        |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 111.00        | 112.50                                     | 1.50     | W935122 | -0.01  | -0.5     | 0.0032 | 0.0003  | 0.0044 |        |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 112.50        | 114.00                                     | 1.50     | W935123 | -0.01  | -0.5     | 0.0029 | -0.0002 | 0.0049 |        |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 114.00        | 115.20                                     | 1.20     | W935124 | -0.01  | -0.5     | 0.0023 | 0.0002  | 0.005  |        |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 115.20        | 116.30                                     | 1.10     | W935125 | -0.01  | -0.5     | 0.0035 | 0.0006  | 0.0048 |        |           |

Hole: GP20-03

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | To (m)        | Rock Type & Description                    | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                                            | 116.30   | 117.70 | 1.40   | W935126  | -0.01  | -0.5   | 0.0057 | 0.0003 | 0.0049 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                                            | 117.70   | 119.00 | 1.30   | W935127  | 0.01   | -0.5   | 0.0073 | 0.0002 | 0.0055 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                                            | 119.00   | 120.00 | 1.00   | W935128  | -0.01  | -0.5   | 0.0034 | 0.0005 | 0.0043 |
| <b>120.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>129.00</b> | <b>Carb-Fuch sil (Kom Msv) QCVs (serp)</b> |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                                            | 120.00   | 121.00 | 1.00   | W935129  | 0.01   | 0.5    | 0.0024 | 0.0004 | 0.0047 |
| <p>Minty green, fine-grained, strongly carb-fuchsite altered komatiite. Moderately silicified. Moderately abundant planar quartz-ankerite veins throughout (on average 2cm thick). Strongest serp along qtz veins. Trace blebby fg py throughout. Primary speckled texture almost completely obliterated.</p> <p>LCT is gradational over ~70cm into moderately carb-fuch altered komatiite like above.</p> <p>&lt;&lt; Min: 120 - 129: pyrite 0.5% FG Blebby &gt;&gt;</p> <p>&lt;&lt; Alt: 120 - 129: fuch strong Pervasive / FeCarb strong Pervasive / sil moderate Pervasive / serp weak to moderate Selective &gt;&gt;</p> <p>&lt;&lt; Vein: 120 - 129: QCVs 12% MG Planar massive &gt;&gt; Dominantly planar, subparallel quartz ankerite veins. Minor chaotic veining, silicified after original ankerite veining.</p>                                                                                                |               |                                            |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                                            | 121.00   | 122.00 | 1.00   | W935131  | 0.01   | -0.5   | 0.0045 | 0.0004 | 0.0052 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                                            | 122.00   | 123.00 | 1.00   | W935132  | 0.01   | -0.5   | 0.0111 | 0.0003 | 0.0059 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                                            | 123.00   | 124.00 | 1.00   | W935134  | -0.01  | -0.5   | 0.0018 | 0.0003 | 0.0052 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                                            | 124.00   | 125.00 | 1.00   | W935135  | -0.01  | -0.5   | 0.0047 | 0.0003 | 0.0047 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                                            | 125.00   | 126.00 | 1.00   | W935136  | -0.01  | -0.5   | 0.0008 | 0.0002 | 0.005  |
| <b>129.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>138.50</b> | <b>Kom Msv (Carb-Fuch)sil ((serp)) qcv</b> |          |        |        |          |        |        |        |        |        |
| <p>Same as above strong carb-fuch zone but with less abundant planar quartz-ankerite veining. Local/patchy orange FeCarb veining and speckles. Local moderate to strong fuchsite in quartz-ankerite vein haloes. Chaotic veins have been sil'd. Two vein phases? Planar qtz-ankerite veins and chaotic irregular original ankerite veins that have been partially to completely sil'd?</p> <p>LCT is gradational into less altered komatiite.</p> <p>&lt;&lt; Min: 129 - 138.5: pyrite 0.5% FG Blebby &gt;&gt;</p> <p>&lt;&lt; Alt: 129 - 138.5: FeCarb moderate Pervasive / fuch weak to moderate Patchy / sil weak to moderate Pervasive / tal weak to moderate Pervasive / serp weak Selective &gt;&gt;</p> <p>&lt;&lt; Vein: 129 - 138.5: QCVs 7% FG Planar massive &gt;&gt; Approximately equal amounts of planar quartz-ankerite and silicified chaotic veinlets. Local orange FeCarb in chaotic/irregular veins</p> |               |                                            |          |        |        |          |        |        |        |        |        |

Hole: GP20-03

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | To (m)        | Rock Type & Description              | From (m)  | To (m) | Length | Sample # | Au ppm  | Ag ppm | Cu pct | Pb pct | Zn pct |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------|-----------|--------|--------|----------|---------|--------|--------|--------|--------|--------|
| <b>138.50</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>148.80</b> | <b>Kom Msv Carb (talc) (sil) vnd</b> | <b>10</b> | 144.70 | 145.20 | 0.50     | W935137 | -0.01  | -0.5   | 0.0085 | 0.0004 | 0.0058 |
| <p>Dark greenish-grey, fine-grained, speckled komatiite. Moderately FeCarb altered, weakly to moderately talc altered, weakly to moderately siliceous. Veining is back to dominantly chaotic/irregular ankerite veins (moderately silicified) with few planar quartz-ankerite veins.</p> <p>LCT is gradational over ~10cm in finer-grained, more strongly silicified komatiite without FeCarb speckles.</p> <p>&lt;&lt; Min: 138.5 - 148.8: pyrite 0.1% FG Blebby &gt;&gt;</p> <p>&lt;&lt; Alt: 138.5 - 148.8: FeCarb moderate Pervasive / tal weak to moderate Pervasive / sil weak to moderate Pervasive / serp weak Patchy &gt;&gt; Minor serp along fractures</p> <p>&lt;&lt; Vein: 138.5 - 148.8: QCVs 7% FG Irregular/Blebby massive &gt;&gt; Dominantly silicified chaotic ankerite veins, minor planar quartz-ankerite veins. Qtz ankerite veins are brighter white</p>                                                                                                           |               |                                      |           |        |        |          |         |        |        |        |        |        |
| <b>148.80</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>160.20</b> | <b>Kom Msv sil FeCarb Vnd</b>        | <b>10</b> | 148.80 | 149.80 | 1.00     | W935138 | -0.01  | -0.5   | 0.0083 | 0.0002 | 0.006  |
| <p>Light grey to tan, finer-grained massive komatiite with moderate silicification and FeCarb alteration. Interval has a 'sandier' texture and lacks the speckled appearance in massive komatiite above and below. Abundant chaotic/brecciating quartz and quartz-ankerite veins throughout. Minor serp associated with vein margins, local trace fuch near veins.</p> <p>LCT is gradational over ~2m back into darker speckled komatiite.</p> <p>&lt;&lt; Min: 148.8 - 160.2: pyrite 0.1% FG Blebby &gt;&gt;</p> <p>&lt;&lt; Alt: 148.8 - 160.2: sil moderate Pervasive / FeCarb moderate Pervasive / serp weak Selective / fuch weak Selective &gt;&gt; trace fuch near some qtz-ank veins</p> <p>&lt;&lt; Vein: 148.8 - 160.2: QCVs 10% MG Irregular/Blebby massive / CVs 2% FG Irregular/Blebby massive &gt;&gt; Chaotic/irregualal viening throughtout, locally forming vein breccias. Quartz veins +/- ankerite (sil'd after ankerite veins? Or primary silica ankerite veins?)</p> |               |                                      |           |        |        |          |         |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                      |           | 149.80 | 150.80 | 1.00     | W935139 | -0.01  | -0.5   | 0.0028 | 0.0004 | 0.0073 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                      |           | 150.80 | 151.80 | 1.00     | W935141 | -0.01  | -0.5   | 0.0034 | 0.0003 | 0.0079 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                      |           | 151.80 | 152.80 | 1.00     | W935142 | 0.01   | -0.5   | 0.0007 | 0.0006 | 0.0066 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                      |           | 152.80 | 153.80 | 1.00     | W935143 | 0.02   | -0.5   | 0.0013 | 0.0008 | 0.0064 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                      |           | 153.80 | 154.80 | 1.00     | W935144 | -0.01  | -0.5   | 0.0089 | 0.0004 | 0.0061 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                      |           | 154.80 | 155.80 | 1.00     | W935145 | -0.01  | -0.5   | 0.0088 | 0.0004 | 0.0075 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                      |           | 155.80 | 156.80 | 1.00     | W935146 | 0.01   | -0.5   | 0.0032 | 0.0004 | 0.006  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                      |           | 156.80 | 157.80 | 1.00     | W935147 | 0.02   | -0.5   | 0.004  | 0.0003 | 0.0053 |

Hole: GP20-03

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|

**160.20 196.70 Kom Msv FeCarb (talc) (mag) 10**

Back into dark grey, fine-grained, massive, talcose komatiite. Local mm FeCarb specks (up to 25% mg rounded FeCarb grains). Chaotic veining throughout, dominantly ankerite veins with local quartz-ankerite. Magnetism gradually increases and becomes more pervasive downhole. Local 10cm of spinifex texture at 189.3m.

LCT is sharp and irregular into contaminated(??) monzonite(?!?). ~30cm above contact Komatiite has strongly sheared texture and is FeCarb-rich.

<< Min: 160.2 - 191: pyrite 1% FG Blebby >>

<< Min: 191 - 196.7: pyrite 2% FG Disseminated >> Patchily disseminated fg subhedral to euhedral py, incresing abundance above contact with intrusive (monzonite?)

<< Alt: 160.2 - 165.1: FeCarb weak to moderate Pervasive / tal weak to moderate Pervasive / mag weak Patchy >> moderate FeCarb in dense speckled patches

<< Alt: 165.1 - 194: FeCarb weak to moderate Pervasive / tal weak to moderate Pervasive / mag weak to moderate Patchy >> mg gradually strengthens downhole, locally moderately strong. moderate FeCarb in dense speckled patches

<< Alt: 194 - 196.7: FeCarb weak to moderate Pervasive / tal weak to moderate Pervasive / mag moderate Pervasive >> moderate FeCarb in dense speckled patches

<< Vein: 160.2 - 191: CVs 7% FG Irregular/Blebby massive / QCVs 2% MG Irregular/Blebby massive >> Dominantly chaotic ankerite veining, locally sil'd. Minor roughly planar mg qtz-ankerite veins.

<< Vein: 191 - 196.7: CVs 10% FG sheared / QCVs 1% FG Planar >> ankerite veins are slightly more abundant, quite contorted and sheared. Locally modeately sil'd/subplanar qtz-ank veinlets

|        |        |      |         |       |      |        |        |        |
|--------|--------|------|---------|-------|------|--------|--------|--------|
| 179.50 | 180.00 | 0.50 | W935148 | -0.01 | -0.5 | 0.0073 | 0.0003 | 0.0052 |
| 195.20 | 196.70 | 1.50 | W935149 | -0.01 | -0.5 | 0.0034 | 0.0002 | 0.009  |

**196.70 198.60 Monz? (contam?) mag ((ksp)) ((mo?)) 106**

Medium grey (with slight pinkish hue), fine-grained, massive textured intrusive. Moderately to strongly magnetic, moderately siliceous, weak potassic alt'n? (especially at lower contact). Moderately pyrite with fine-grained pyrite disseminated throughout. Minor irregular to subplanar white to pinkish qtz-fsp veinlets with py and trace mo(?), locally vuggy.

LCT is sharp and highly irregular back into dark greenish grey talcose ultramafics.

<< Min: 196.7 - 198.6: pyrite 5% FG Disseminated / molybdenite 0.5% FG Blebby >> Py dominantly disseminated, abundance increases downhole towards lower contact. Also minor blebby py in veins, loclly mg, anhedral to subhedral. Trace dk grey metallic mineral in veins, possibly mo?



Hole: GP20-03

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|

<< Alt: 196.7 - 198.6: mag moderate to strong Pervasive / sil moderate Pervasive / ksp weak Patchy >> Weak ksp alt'n, especially near lower contact

<< Vein: 196.7 - 198.6: QCVs 5% FG Irregular/Blebby >> irregular to subplana qtz-fsp-carb veins? Pinkish kfsp grians in veins. Locally vuggy. Moderately pyritic and trace dark grey metallic sx? No distinct alt'n haloes.

|        |        |      |         |       |      |        |         |        |
|--------|--------|------|---------|-------|------|--------|---------|--------|
| 196.70 | 197.20 | 0.50 | W935151 | -0.01 | -0.5 | 0.0008 | 0.0011  | 0.0132 |
| 197.20 | 197.70 | 0.50 | W935152 | -0.01 | -0.5 | 0.0015 | 0.0022  | 0.0096 |
| 197.70 | 198.60 | 0.90 | W935153 | -0.01 | -0.5 | 0.001  | 0.0019  | 0.009  |
| 198.60 | 200.10 | 1.50 | W935154 | -0.01 | -0.5 | 0.0029 | -0.0002 | 0.0063 |

**198.60 201.00 Kom Msv talc (FeCarb) 10**

Back into dark greenish grey fine-grained komatiite. Slightly more talcose and less FeCarb altered than above (less speckled). Sheared and broken for 40cm below contact with monzonite. Relatively less ankerite veining and veins are thinner. Minor disseminated py.

LCT is EOH.

<< Min: 198.6 - 201: pyrite 2% FG Disseminated >>

<< Alt: 198.6 - 201: tal moderate Pervasive / mag moderate Pervasive / FeCarb weak to moderate Patchy >>

<< Vein: 198.6 - 201: CVs 5% FG Irregular/Blebby massive >>

**201.00 EOH 0**

End of Hole @ 201

**Project:** Golden Perimeter

**Hole:** GP20-04

|                             |                  |                     |                |                         |              |                          |                          |
|-----------------------------|------------------|---------------------|----------------|-------------------------|--------------|--------------------------|--------------------------|
| <b>Prospect:</b>            | Golden Perimeter | <b>Survey Type:</b> | Trimble R1     | <b>Logged By:</b>       | Neal Maguire | <b>Hole Type:</b>        | DD                       |
| <b>Datum:</b>               | NAD83            | <b>Survey By:</b>   | Conor McKinley | <b>Date Started:</b>    | 2020-03-08   | <b>Core Size:</b>        | NQ                       |
| <b>Vertical Datum:</b>      |                  | <b>Azimuth:</b>     | 270            | <b>Date Completed:</b>  | 2020-03-16   | <b>Casing Pulled?:</b>   | <input type="checkbox"/> |
| <b>Zone:</b>                | 17N              | <b>Dip:</b>         | -50            | <b>Drill Company:</b>   | Norex        | <b>Casing Depth (m):</b> | 42                       |
| <b>UTM East:</b>            | 504791.32478     | <b>Length (m):</b>  | 393            | <b>Drill Started:</b>   | 2020-07-03   | <b>H Core Depth (m):</b> |                          |
| <b>UTM North:</b>           | 5348937.7242     | <b>Comments:</b>    |                | <b>Drill Completed:</b> | 2020-12-03   | <b>N Core Depth (m):</b> | 393                      |
| <b>UTM Elevation (m):</b>   | 270.37846        |                     |                |                         |              | <b>B Core Depth (m):</b> |                          |
| <b>Local Grid:</b>          |                  |                     |                |                         |              |                          |                          |
| <b>Local East:</b>          |                  |                     |                |                         |              |                          |                          |
| <b>Local North:</b>         |                  |                     |                |                         |              |                          |                          |
| <b>Local Elevation (m):</b> |                  |                     |                |                         |              |                          |                          |

| Depth (m) | Survey Method  | Survey By | Date Surveyed | Dip   | Azimuth | Mag. Field | Accept Values?                      | Comments                                                |
|-----------|----------------|-----------|---------------|-------|---------|------------|-------------------------------------|---------------------------------------------------------|
| 0         | Reflex EZ Shot |           |               | -50   | 270     |            | <input checked="" type="checkbox"/> | Dummy survey based on planned dip/azi Neal Maguire      |
| 81        | Reflex EZ Shot |           |               | -49.4 | 270.1   | 5527       | <input checked="" type="checkbox"/> | Mag check OK Neal Maguire                               |
| 111       | Reflex EZ Shot |           |               | -49.1 | 270.8   | 5536       | <input checked="" type="checkbox"/> | Mag check OK Neal Maguire                               |
| 141       | Reflex EZ Shot |           |               | -48.8 | 270.6   | 5521       | <input checked="" type="checkbox"/> | Mag check OK Neal Maguire                               |
| 171       | Reflex EZ Shot |           |               | -48.6 | 271.3   | 5534       | <input checked="" type="checkbox"/> | Mag check OK Neal Maguire                               |
| 201       | Reflex EZ Shot |           |               | -48.8 | 271.3   | 5562       | <input checked="" type="checkbox"/> | High magsus, bad survey, used previous azi Neal Maguire |

Hole: GP20-04

| Depth (m) | Survey Method  | Survey By | Date Surveyed | Dip   | Azimuth | Mag. Field | Accept Values?                      | Comments                                   |
|-----------|----------------|-----------|---------------|-------|---------|------------|-------------------------------------|--------------------------------------------|
| 231       | Reflex EZ Shot |           |               | -48.5 | 272     | 5583       | <input checked="" type="checkbox"/> | Mag check OK Neal Maguire                  |
| 261       | Reflex EZ Shot |           |               | -48.5 | 272.8   | 5531       | <input checked="" type="checkbox"/> | Mag check OK Neal Maguire                  |
| 291       | Reflex EZ Shot |           |               | -48.7 | 273.2   | 5498       | <input checked="" type="checkbox"/> | Mag check OK Neal Maguire                  |
| 321       | Reflex EZ Shot |           |               | -48.7 | 272.9   | 5356       | <input checked="" type="checkbox"/> | Mag check OK Neal Maguire                  |
| 351       | Reflex EZ Shot |           |               | -48.7 | 271.9   | 5609       | <input checked="" type="checkbox"/> | High magsus, survey likely OK Neal Maguire |
| 381       | Reflex EZ Shot |           |               | -49.1 | 271.7   | 5605       | <input checked="" type="checkbox"/> | High magsus, survey likely OK Neal Maguire |

Hole: GP20-04

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | To (m)       | Rock Type & Description                | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| <b>0.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>42.00</b> | <b>Casing</b>                          |          |        |        |          |        |        |        |        |        |
| <p>Drill hole GP20-04 was designed to follow up on "anomalous Au" reported in historic holes 280A-03, -05, and -06 (no assays filed), and to test a coincident magnetic low anomaly.</p> <p>The hole successfully intersected sulfidic quartz-ankerite veins up to 30 cm in width, containing pyrite and molybdenite, and local chalcopyrite (109.8-111.1m depth). Interlayered sequences of intermediate dykes and komatiites were intersected on either side of a monzonite pluton with prospective veins observed in both the dykes and the monzonite. Komatiitic volcanic flows intersected from 60.1-76 meters exhibit well developed spinifex texture and are strongly carbonate-fuchsite altered along intermediate dyke margins and may be prospective for gold mineralization.</p> <p>The main monzonite body (76.0 - 304.5 meters) is variably altered by K-feldspar, calcite, ankerite, silica, and local albite with the strongest alteration enveloping quartz veins. The monzonite contains several finely porphyritic phases with gradational margins. Trace, very fine-grained pyrite is disseminated throughout the monzonite and occur in stronger concentrations within alteration halos around veins, with grain size up to 2-3mm locally. The most prospective vein type in the monzonite body is mineralized quartz-ankerite veins, which are up to ~30cm in width, and contain pyrite and molybdenite, and locally chalcopyrite. Pyrite in these veins tends to be disseminated with most grains &lt;1mm, molybdenite occurs as either medium-grained blebs or very fine disseminated grains or bands, and chalcopyrite, where it occurs, is usually in fine- to medium-grained blebs. The most significant of these veins was intersected from 109.8-111.1 meters and is likely a fault-filling vein.</p> <p>From 323.7-377 meters, a sequence of interlayered intermediate intrusives and komatiites was intersected. This package of rocks is thought to be prospective due to the rheology contrast between the komatiites and the intermediate dykes. Intrusive rocks in this sequence are more intensely altered than the monzonite uphole and contain an increased sulfide content, up to 2-3%. Specular hematite grains, up to 2mm in size, coat several fracture surfaces within the dykes. The intermediate rocks contain similar prospective veins as the main monzonite. The komatiites are generally massive, with local zones of possible pillowed/hyaloclastic texture and are altered by talc, chlorite, and calcite.</p> <p>The hole was terminated at 393 meters in a weakly silicified gabbro interlayered with talcose massive komatiite.</p> |              |                                        |          |        |        |          |        |        |        |        |        |
| <b>42.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>44.20</b> | <b>Int Intrusive sil carb mag (py)</b> |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |                                        | 42.00    | 43.50  | 1.50   | W935155  | -0.01  | -0.5   | 0.0059 | 0.0026 | 0.0082 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |                                        | 43.50    | 43.80  | 0.30   | W935156  | -0.01  | -0.5   | 0.0021 | 0.002  | 0.0072 |
| <p>Dark reddish brown, fine- to medium-grained, altered intermediate intrusive (monzonite?). The rock has been moderately to strongly silicified, is hematitic(?) especially along fractures, and weakly to moderately carb-altered. Moderate to strong patchy magnetism. Thin FeCarb veinlets fill fractures though the interval, and fractures are also coated with fine-grained pyrite, magnetite, and trace amounts of molybdenite(?). Magnetite and pyrite are also finely disseminated throughout the unit. Rock contains xenoliths of komatiite ranging from a few mm up to tens of mm in size. Lower contact is sharp into komatiite.</p> <p>&lt;&lt; Min: 42 - 44.2: magnetite 4% FG Disseminated / pyrite 1% FG Disseminated / molybdenite 0.1% VFG Fracture-coating / hematite 3% VFG Fracture-coating &gt;&gt;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |                                        |          |        |        |          |        |        |        |        |        |

Hole: GP20-04

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | To (m)       | Rock Type & Description         | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| << Alt: 42 - 44.2: sil moderate to strong Pervasive / CaCarb weak to moderate Selective / FeCarb weak to moderate Selective / mag moderate to strong Patchy >>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                                 | 43.80    | 45.00  | 1.20   | W935157  | -0.01  | -0.5   | 0.0045 | 0.0004 | 0.0105 |
| << Vein: 42 - 44.2: CVs 1% VFG Irregular/Blebby massive >> FeCarb veinlets frac-fill                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |                                 |          |        |        |          |        |        |        |        |        |
| <b>44.20</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>58.80</b> | <b>Kom Msv (spx) chl ser py</b> |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                                 | 45.00    | 45.60  | 0.60   | W935158  | -0.01  | -0.5   | 0.0106 | 0.0003 | 0.0092 |
| Dark green, fine-grained massive komatiite. Unit is chloritic, sericitic, siliceous, locally carb-altered, and locally hematitic. Weak to moderate patchy magnetism. The interval is crosscut by chaotic to undulating quartz-carb veins (locally with FeCarb) which locally exhibit vuggy texture. There is also another generation of hematitic mineralized quartz veins. Several thin altered monzonite dykes, nearly identical to the previously logged unit, cut through the lithology. Mineralization in the unit consists of fine- to medium-grained blebby to euhedral pyrite disseminated throughout the komatiite and dykes, in higher concentrations along localized fracture filling veinlets. Fine-grained magnetite is also disseminated in monzonite dykes. The interval contains two short, discrete zones of spinifex texture at 45.0-46.5m and 53.0-53.7m. Lower contact is sharp into monzonite and the komatiite is grading into more spinifex texture. |              |                                 |          |        |        |          |        |        |        |        |        |
| << Min: 44.2 - 58.8: magnetite 3% FG Disseminated / pyrite 2% MG Disseminated / hematite 4% VFG Patchy >>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                                 | 45.60    | 46.60  | 1.00   | W935159  | -0.01  | -0.5   | 0.0097 | 0.0003 | 0.0092 |
| << Alt: 44.2 - 58.8: chl moderate to strong Pervasive / ser moderate Pervasive / CaCarb weak to moderate Patchy / mag weak to moderate Patchy / FeCarb weak Selective / sil weak to moderate Selective >>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                                 | 46.60    | 47.10  | 0.50   | W935161  | -0.01  | -0.5   | 0.0094 | 0.0005 | 0.0093 |
| << Vein: 44.2 - 58.8: QCVMs 2% FG Irregular/Blebby massive / QCVs 1% FG Undulating massive / QVMs 0.5% VFG Undulating massive >> QVMs are hematitic.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |                                 | 47.10    | 48.00  | 0.90   | W935162  | -0.01  | -0.5   | 0.0072 | 0.0004 | 0.0087 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                                 | 48.00    | 48.30  | 0.30   | W935163  | -0.01  | -0.5   | 0.0068 | 0.0016 | 0.0091 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                                 | 48.30    | 49.00  | 0.70   | W935164  | -0.01  | -0.5   | 0.0072 | 0.0005 | 0.0069 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                                 | 49.00    | 49.80  | 0.80   | W935165  | -0.01  | -0.5   | 0.0085 | 0.0003 | 0.0074 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                                 | 49.80    | 50.20  | 0.40   | W935167  | -0.01  | -0.5   | 0.0082 | 0.0007 | 0.007  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                                 | 50.20    | 50.70  | 0.50   | W935168  | -0.01  | -0.5   | 0.0074 | 0.0012 | 0.0073 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                                 | 50.70    | 51.70  | 1.00   | W935169  | -0.01  | -0.5   | 0.0067 | 0.0005 | 0.0086 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                                 | 51.70    | 52.20  | 0.50   | W935171  | -0.01  | -0.5   | 0.0038 | 0.0026 | 0.0089 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                                 | 52.20    | 52.90  | 0.70   | W935172  | -0.01  | -0.5   | 0.0049 | 0.0024 | 0.009  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                                 | 52.90    | 54.00  | 1.10   | W935173  | -0.01  | -0.5   | 0.006  | 0.0003 | 0.0077 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                                 | 54.00    | 55.50  | 1.50   | W935174  | -0.01  | -0.5   | 0.006  | 0.0003 | 0.007  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                                 | 55.50    | 56.60  | 1.10   | W935175  | -0.01  | -0.5   | 0.0098 | 0.0005 | 0.0075 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                                 | 56.60    | 57.00  | 0.40   | W935176  | -0.01  | -0.5   | 0.0056 | 0.0025 | 0.0064 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                                 | 57.00    | 57.40  | 0.40   | W935177  | -0.01  | -0.5   | 0.0084 | 0.0038 | 0.0087 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                                 | 57.40    | 57.80  | 0.40   | W935178  | -0.01  | -0.5   | 0.0068 | 0.0033 | 0.0079 |

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| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | To (m) | Rock Type & Description                  | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| 57.80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 60.10  | <b>Monz sil carb mag (py)</b>            | 57.80    | 58.80  | 1.00   | W935179  | -0.01  | -0.5   | 0.005  | 0.0004 | 0.0085 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        | <b>106</b>                               |          |        |        |          |        |        |        |        |        |
| <p>The same rock described at the top of the hole, which also intrudes previous komatiite unit. En echelon quartz-carb vein density is higher. Lower contact is sharp into altered komatiite.</p> <p>&lt;&lt; Min: 58.8 - 60.1: magnetite 4% FG Disseminated / pyrite 1% VFG Disseminated &gt;&gt; py also blebby along local fractures</p> <p>&lt;&lt; Alt: 58.8 - 60.1: sil moderate to strong Pervasive / CaCarb weak to moderate Selective / FeCarb weak to moderate Selective / mag moderate to strong Patchy &gt;&gt;</p> <p>&lt;&lt; Vein: 58.8 - 60.1: QCVs 2% FG Planar massive &gt;&gt;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                                          |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                                          | 58.80    | 59.30  | 0.50   | W935181  | 0.01   | -0.5   | 0.0043 | 0.0033 | 0.0062 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                                          | 59.30    | 60.20  | 0.90   | W935182  | -0.01  | -0.5   | 0.0054 | 0.0029 | 0.0069 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                                          |          |        |        |          |        |        |        |        |        |
| 60.10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 67.60  | <b>Kom Spx [Carb-Fuch] sil serp (py)</b> |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        | <b>305</b>                               |          |        |        |          |        |        |        |        |        |
| <p>Light greenish-turquoise, fine-grained, carb-fuch altered, spinifex komatiite. Rock has been moderately silicified, strongly fuchsite-FeCarb altered, and serpentized. Interval is crosscut by quartz-carb veins and altered monzonite dykes, which contain quartz-carb veins and sparse sulfide veins. Mineralization in the unit consists of trace very fine-grained pyrite in the komatiite and higher concentrations of pyrite (fine- to medium-grained) disseminated and blebby in monzonite dykes. Minor amounts of molybdenite coat fractures within monzonite dykes and are disseminated within them. Lower contact is gradational into less altered komatiite.</p> <p>&lt;&lt; Min: 60.1 - 67.6: pyrite 2% FG Disseminated / molybdenite 0.5% FG Disseminated &gt;&gt;</p> <p>&lt;&lt; Alt: 60.1 - 67.6: fuch moderate to strong Pervasive / FeCarb moderate Pervasive / sil moderate Pervasive / serp weak to moderate Pervasive / ser weak to moderate Pervasive / mag weak Patchy / ksp moderate to strong Selective &gt;&gt;</p> <p>&lt;&lt; Vein: 60.1 - 67.6: QCVs 3% FG Undulating massive / SxVs 0.5% FG Undulating massive / KVs 0.5% FG Undulating massive &gt;&gt;</p> |        |                                          |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                                          | 60.20    | 60.50  | 0.30   | W935183  | -0.01  | 0.5    | 0.0036 | 0.0007 | 0.008  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                                          | 60.50    | 60.90  | 0.40   | W935184  | 0.03   | -0.5   | 0.0086 | 0.002  | 0.006  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                                          | 60.90    | 61.50  | 0.60   | W935185  | 0.13   | -0.5   | 0.0049 | 0.0016 | 0.0063 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                                          | 61.50    | 62.00  | 0.50   | W935186  | 0.01   | -0.5   | 0.004  | 0.0011 | 0.0066 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                                          | 62.00    | 62.30  | 0.30   | W935187  | -0.01  | 0.5    | 0.0021 | 0.0008 | 0.007  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                                          | 62.30    | 62.70  | 0.40   | W935188  | 0.23   | -0.5   | 0.0042 | 0.0022 | 0.0046 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                                          | 62.70    | 63.10  | 0.40   | W935189  | 0.09   | -0.5   | 0.007  | 0.002  | 0.0056 |

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| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | To (m)       | Rock Type & Description         | From (m) | To (m) | Length | Sample #  | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------------------|----------|--------|--------|-----------|--------|--------|--------|--------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                                 | 63.10    | 63.70  | 0.60   | W935191   | 0.01   | -0.5   | 0.0018 | 0.0006 | 0.0094 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                                 | 63.70    | 64.30  | 0.60   | W935192   | 0.25   | -0.5   | 0.0033 | 0.0015 | 0.0018 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                                 | 64.30    | 64.70  | 0.40   | W935193   | 1.27   | -0.5   | 0.009  | 0.0021 | 0.0055 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                                 | 64.70    | 65.40  | 0.70   | W935194   | 0.01   | -0.5   | 0.003  | 0.0003 | 0.0075 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                                 | 65.40    | 66.00  | 0.60   | W935195   | 0.01   | -0.5   | 0.0073 | 0.0005 | 0.0083 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                                 | 66.00    | 66.50  | 0.50   | W935196   | 0.02   | -0.5   | 0.0015 | 0.0037 | 0.0039 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                                 | 66.50    | 66.80  | 0.30   | W935197   | 0.01   | -0.5   | 0.0048 | 0.001  | 0.0101 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                                 | 66.80    | 67.30  | 0.50   | W935198   | 0.04   | -0.5   | 0.0047 | 0.0004 | 0.0079 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                                 | 67.30    | 67.60  | 0.30   | W935201   | 0.88   | -0.5   | 0.0099 | 0.0009 | 0.0067 |
| <b>67.60</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>74.30</b> | <b>Kom Spx chl ser mag (py)</b> |          |        |        | <b>11</b> |        |        |        |        |        |
| <p>Dark green, fine-grained, spinifex komatiite. Unit is chloritic, sericitic, and weakly carb altered. Patchy weak-moderate magnetism. The interval is crosscut by quartz-carb veins, which are locally hematitic and mineralized with pyrite. Several small monzonite and diorite dykes intersect the lithology. Mineralization within the unit consists of fine-grained fracture-coating magnetite and fine-grained pyrite along veins and disseminated in halos around them. Foliation in the unit is more obvious closer to the lower contact, which is marked by a gradational change into serpentinized massive komatiite.</p> <p>&lt;&lt; Min: 67.6 - 74.3: magnetite 3% VFG Fracture-coating / pyrite 2% FG Vein / hematite 2% VFG Vein &gt;&gt;</p> <p>&lt;&lt; Alt: 67.6 - 74.3: chl moderate to strong Pervasive / ser moderate Pervasive / mag weak to moderate Patchy / CaCarb weak Patchy &gt;&gt;</p> <p>&lt;&lt; Vein: 67.6 - 74.3: QCVMs 2.5% FG Undulating vuggy/vug (voids) / CVs 1% VFG Irregular/Blebbly massive &gt;&gt;<br/>QCVMs with blebby py, CVs fracture fill network</p> |              |                                 |          |        |        |           |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                                 | 67.60    | 69.00  | 1.40   | W935202   | -0.01  | -0.5   | 0.0026 | 0.0004 | 0.0064 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                                 | 69.00    | 69.30  | 0.30   | W935203   | -0.01  | -0.5   | 0.0061 | 0.0005 | 0.0106 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                                 | 69.30    | 69.90  | 0.60   | W935204   | -0.01  | -0.5   | 0.0057 | 0.0023 | 0.0076 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                                 | 69.90    | 70.30  | 0.40   | W935205   | -0.01  | -0.5   | 0.0094 | 0.0008 | 0.0123 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                                 | 70.30    | 71.20  | 0.90   | W935206   | -0.01  | -0.5   | 0.0057 | 0.0016 | 0.0085 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                                 | 71.20    | 72.00  | 0.80   | W935207   | -0.01  | -0.5   | 0.0077 | 0.0022 | 0.0088 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                                 | 72.00    | 72.80  | 0.80   | W935208   | -0.01  | -0.5   | 0.0128 | 0.0015 | 0.0083 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                                 | 72.80    | 73.30  | 0.50   | W935209   | 0.01   | -0.5   | 0.009  | 0.0047 | 0.009  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                                 | 73.30    | 73.80  | 0.50   | W935211   | 0.05   | -0.5   | 0.0121 | 0.0039 | 0.0088 |

Hole: GP20-04

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | To (m)        | Rock Type & Description                   | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| <b>74.30</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>76.00</b>  | <b>Kom Spx [Carb-Fuch] sil serp (py)</b>  |          |        |        |          |        |        |        |        |        |
| <p><b>305</b></p> <p>Same as altered komatiite described from 60.1-67.6m, but with lower concentrations of pyrite (nearly barren except around QCVs) and molybdenite (none). Lower contact is sharp into altered monzonite.</p> <p>&lt;&lt; Min: 74.3 - 76: pyrite 0.5% FG Vein &gt;&gt; py also very finely disseminated</p> <p>&lt;&lt; Alt: 74.3 - 76: fuch moderate to strong Pervasive / FeCarb moderate Pervasive / sil moderate Pervasive / serp weak to moderate Pervasive / ser weak to moderate Pervasive / mag weak Patchy &gt;&gt;</p> <p>&lt;&lt; Vein: 74.3 - 76: QCVMs 2% MG Undulating &gt;&gt; locally zoned with carb in outer layers, otherwise blebby with py</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                                           |          |        |        |          |        |        |        |        |        |
| 73.80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 74.40         |                                           | 73.80    | 74.40  | 0.60   | W935212  | 0.01   | -0.5   | 0.0091 | 0.0017 | 0.008  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |                                           | 74.40    | 75.00  | 0.60   | W935213  | 0.02   | -0.5   | 0.0074 | 0.0008 | 0.0057 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |                                           | 75.00    | 76.00  | 1.00   | W935214  | 0.03   | -0.5   | 0.0044 | 0.0011 | 0.0101 |
| <b>76.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>109.80</b> | <b>Monz altd ksp sil py (carb) ((mo))</b> |          |        |        |          |        |        |        |        |        |
| <p><b>106</b></p> <p>Light pink to gray, medium-grained, altered monzonite. Rock has undergone k-metasomatism, is weakly carb-altered and albitized, and has been moderately silicified. Alteration concentrated in halos around veins. Weak to moderate magnetism. The unit is crosscut by multiple sets of veins: mineralized quartz-carb veins, hematitic quartz veins, and kspar veins. Mineralization in the unit consists of minor amounts of fine-grained fracture-coating molybdenite, and fine-grained disseminated blebby to subhedral pyrite which is more concentrated around veins and along fractures. The interval contains xenoliths of komatiite up to ~15mm in size. Several fracture surfaces show moderately developed slickenlines. Lower contact is a vein.</p> <p>&lt;&lt; Min: 76 - 109.8: pyrite 3% FG Disseminated / molybdenite 0.1% VFG Fracture-coating &gt;&gt;</p> <p>&lt;&lt; Alt: 76 - 109.8: ksp moderate to strong Halo / sil moderate Halo / CaCarb weak to moderate Patchy / mag weak to moderate Pervasive / alb weak Halo / FeCarb weak Halo / ser weak Selective &gt;&gt;</p> <p>&lt;&lt; Vein: 76 - 109.8: QCVMs 3% FG Undulating massive / QVs 1% VFG Undulating massive / KVs 0.5% MG Undulating massive &gt;&gt;</p> |               |                                           |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |                                           | 76.00    | 76.40  | 0.40   | W935215  | 0.14   | -0.5   | 0.008  | 0.0017 | 0.0037 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |                                           | 76.40    | 77.00  | 0.60   | W935216  | 0.25   | -0.5   | 0.006  | 0.003  | 0.0064 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |                                           | 77.00    | 78.00  | 1.00   | W935217  | -0.01  | -0.5   | 0.0027 | 0.0031 | 0.0095 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |                                           | 78.00    | 78.80  | 0.80   | W935218  | -0.01  | -0.5   | 0.0017 | 0.0036 | 0.0082 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |                                           | 78.80    | 79.30  | 0.50   | W935219  | 0.02   | -0.5   | 0.0022 | 0.0037 | 0.0069 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |                                           | 79.30    | 79.60  | 0.30   | W935221  | 0.07   | -0.5   | 0.0023 | 0.0025 | 0.006  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |                                           | 79.60    | 80.10  | 0.50   | W935222  | -0.01  | -0.5   | 0.0011 | 0.0033 | 0.0073 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |                                           | 80.10    | 81.00  | 0.90   | W935223  | 0.22   | -0.5   | 0.002  | 0.0027 | 0.0064 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |                                           | 81.00    | 82.20  | 1.20   | W935224  | -0.01  | -0.5   | 0.0015 | 0.0037 | 0.0075 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |                                           | 82.20    | 82.70  | 0.50   | W935225  | -0.01  | -0.5   | 0.0029 | 0.0042 | 0.0056 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |                                           | 82.70    | 83.60  | 0.90   | W935226  | -0.01  | -0.5   | 0.0014 | 0.0029 | 0.0067 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |                                           | 83.60    | 84.30  | 0.70   | W935227  | 0.01   | -0.5   | 0.0031 | 0.0037 | 0.0072 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |                                           | 84.30    | 84.90  | 0.60   | W935228  | -0.01  | -0.5   | 0.0011 | 0.0034 | 0.0071 |



Hole: GP20-04

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|          |        |                         | 84.90    | 85.80  | 0.90   | W935229  | 0.34   | -0.5   | 0.0034 | 0.0048 | 0.006  |
|          |        |                         | 85.80    | 87.00  | 1.20   | W935231  | 0.01   | -0.5   | 0.0035 | 0.0029 | 0.0057 |
|          |        |                         | 87.00    | 87.80  | 0.80   | W935232  | 0.05   | -0.5   | 0.002  | 0.003  | 0.0056 |
|          |        |                         | 87.80    | 88.60  | 0.80   | W935234  | -0.01  | -0.5   | 0.0016 | 0.0034 | 0.0067 |
|          |        |                         | 88.60    | 89.30  | 0.70   | W935235  | 0.01   | -0.5   | 0.0061 | 0.0078 | 0.0057 |
|          |        |                         | 89.30    | 90.00  | 0.70   | W935236  | 0.01   | -0.5   | 0.0048 | 0.0041 | 0.0059 |
|          |        |                         | 90.00    | 90.60  | 0.60   | W935237  | -0.01  | -0.5   | 0.0003 | 0.0031 | 0.0065 |
|          |        |                         | 90.60    | 91.20  | 0.60   | W935238  | 0.02   | -0.5   | 0.0026 | 0.0066 | 0.0061 |
|          |        |                         | 91.20    | 92.00  | 0.80   | W935239  | -0.01  | -0.5   | 0.003  | 0.0036 | 0.0067 |
|          |        |                         | 92.00    | 92.70  | 0.70   | W935241  | -0.01  | -0.5   | 0.0006 | 0.0033 | 0.0063 |
|          |        |                         | 92.70    | 93.30  | 0.60   | W935242  | 0.01   | -0.5   | 0.0086 | 0.0024 | 0.0039 |
|          |        |                         | 93.30    | 93.70  | 0.40   | W935243  | 0.04   | -0.5   | 0.0046 | 0.0025 | 0.0018 |
|          |        |                         | 93.70    | 94.20  | 0.50   | W935244  | 0.07   | -0.5   | 0.0029 | 0.0031 | 0.0055 |
|          |        |                         | 94.20    | 95.20  | 1.00   | W935245  | -0.01  | -0.5   | 0.0017 | 0.0043 | 0.0066 |
|          |        |                         | 95.20    | 95.50  | 0.30   | W935246  | -0.01  | -0.5   | 0.0039 | 0.0036 | 0.0034 |
|          |        |                         | 95.50    | 96.00  | 0.50   | W935247  | -0.01  | -0.5   | 0.0035 | 0.0033 | 0.006  |
|          |        |                         | 96.00    | 96.30  | 0.30   | W935248  | 0.01   | -0.5   | 0.0047 | 0.0026 | 0.0042 |
|          |        |                         | 96.30    | 96.70  | 0.40   | W935249  | 0.02   | -0.5   | 0.0029 | 0.0025 | 0.0038 |
|          |        |                         | 96.70    | 97.50  | 0.80   | W935251  | 0.01   | -0.5   | 0.0023 | 0.0055 | 0.0058 |
|          |        |                         | 97.50    | 97.80  | 0.30   | W935252  | 0.14   | 0.8    | 0.0031 | 0.0096 | 0.0035 |
|          |        |                         | 97.80    | 98.10  | 0.30   | W935253  | 0.03   | -0.5   | 0.0013 | 0.004  | 0.0061 |
|          |        |                         | 98.10    | 98.40  | 0.30   | W935254  | 0.31   | -0.5   | 0.0014 | 0.0033 | 0.0059 |
|          |        |                         | 98.40    | 99.40  | 1.00   | W935255  | 0.02   | -0.5   | 0.0015 | 0.0033 | 0.0063 |
|          |        |                         | 99.40    | 100.10 | 0.70   | W935256  | 0.03   | -0.5   | 0.0018 | 0.0026 | 0.0062 |
|          |        |                         | 100.10   | 100.40 | 0.30   | W935257  | 0.1    | -0.5   | 0.0003 | 0.0012 | 0.0044 |
|          |        |                         | 100.40   | 100.80 | 0.40   | W935258  | 0.02   | -0.5   | 0.0046 | 0.003  | 0.0066 |
|          |        |                         | 100.80   | 101.10 | 0.30   | W935259  | 0.01   | -0.5   | 0.0019 | 0.003  | 0.0064 |
|          |        |                         | 101.10   | 101.40 | 0.30   | W935261  | 0.08   | -0.5   | 0.0013 | 0.0031 | 0.0054 |

Hole: GP20-04

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|          |        |                         | 101.40   | 102.00 | 0.60   | W935262  | 0.01   | -0.5   | 0.0006 | 0.0032 | 0.0059 |
|          |        |                         | 102.00   | 102.80 | 0.80   | W935263  | 0.01   | -0.5   | 0.0006 | 0.0036 | 0.0057 |
|          |        |                         | 102.80   | 103.60 | 0.80   | W935264  | 0.13   | -0.5   | 0.0005 | 0.0027 | 0.0055 |
|          |        |                         | 103.60   | 104.60 | 1.00   | W935265  | 0.01   | -0.5   | 0.0033 | 0.0032 | 0.0057 |
|          |        |                         | 104.60   | 105.00 | 0.40   | W935267  | 0.02   | -0.5   | 0.0009 | 0.0035 | 0.0059 |
|          |        |                         | 105.00   | 106.00 | 1.00   | W935268  | -0.01  | -0.5   | 0.0008 | 0.0034 | 0.0057 |
|          |        |                         | 106.00   | 106.40 | 0.40   | W935269  | -0.01  | -0.5   | 0.0006 | 0.0025 | 0.0055 |
|          |        |                         | 106.40   | 106.90 | 0.50   | W935271  | -0.01  | -0.5   | 0.006  | 0.0083 | 0.0051 |
|          |        |                         | 106.90   | 107.40 | 0.50   | W935272  | -0.01  | -0.5   | 0.0012 | 0.0028 | 0.0056 |
|          |        |                         | 107.40   | 108.00 | 0.60   | W935273  | 0.01   | -0.5   | 0.0021 | 0.0039 | 0.0051 |
|          |        |                         | 108.00   | 108.50 | 0.50   | W935274  | 0.04   | -0.5   | 0.0026 | 0.0037 | 0.005  |
|          |        |                         | 108.50   | 108.90 | 0.40   | W935275  | 0.01   | -0.5   | 0.0019 | 0.0026 | 0.0053 |
|          |        |                         | 108.90   | 109.30 | 0.40   | W935276  | 0.03   | -0.5   | 0.0009 | 0.0059 | 0.0055 |
|          |        |                         | 109.30   | 109.80 | 0.50   | W935277  | 0.01   | -0.5   | 0.0032 | 0.0028 | 0.004  |
|          |        |                         | 109.80   | 110.40 | 0.60   | W935278  | 0.02   | 3.7    | 0.0009 | 0.0389 | 0.0015 |
|          |        |                         | 110.40   | 111.10 | 0.70   | W935279  | 0.68   | 6.8    | 0.0024 | 0.0702 | 0.003  |

**109.80 111.10 Quartz-carb Vein fltd py (mo) 300**

Light gray to white, fine-grained, broken/faulted, massive quartz-carb vein. Alteration in wallrock consists of kspar, carb, albite, and sericite. The vein contains blebby to euhedral pyrite and molybdenite, from fine- to medium-grained. Within faulted parts of the vein, the rock has been ground down to sandy sized grains. The lower contact is sharp back into altered monzonite.

<< Min: 109.8 - 111.1: pyrite 4% FG Blebby / molybdenite 1% FG Blebby >> py coarser grained than mo

<< Alt: 109.8 - 111.1: CaCarb moderate to strong Patchy / ksp moderate Pervasive / alb weak to moderate Patchy / ser weak Pervasive >> ksp, alb, ser confined to wallrock

Hole: GP20-04

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|

**111.10 159.60 Monz altd ksp alb carb (py) 106**

Same as the monzonite intersected above the previously logged vein. Light pink to gray, medium-grained, altered monzonite. Rock has undergone k-metasomatism, is weakly carb-altered and albitized, and has been moderately silicified. Weak patchy sericite. Alteration concentrated in halos around veins. Weak to moderate magnetism. The unit is crosscut by multiple sets of veins: mineralized and unmineralized quartz-carb veins, hematitic quartz veins, and kspars veins. Mineralization in the unit consists of minor amounts of fine-grained fracture-coating molybdenite, and fine-grained disseminated blebby to subhedral pyrite which is more concentrated around veins and along fractures. The interval contains xenoliths of komatiite up to ~30mm in size. Lower contact marked by gradational change into less altered monzonite.

<< Min: 111.1 - 159.6: pyrite 3% FG Disseminated / molybdenite 0.1% VFG Fracture-coating >>

<< Alt: 111.1 - 159.6: ksp moderate to strong Halo / sil moderate Halo / CaCarb weak to moderate Patchy / mag weak to moderate Pervasive / alb weak Halo / FeCarb weak Halo / ser weak Selective >>

<< Vein: 111.1 - 159.6: QCVMs 3% FG Undulating massive / QVs 1% VFG Undulating massive / KVs 0.5% MG Undulating massive >>

|        |        |      |         |       |      |        |        |        |
|--------|--------|------|---------|-------|------|--------|--------|--------|
| 111.10 | 111.70 | 0.60 | W935281 | 0.01  | -0.5 | 0.003  | 0.0037 | 0.0044 |
| 111.70 | 112.40 | 0.70 | W935282 | 0.15  | -0.5 | 0.0049 | 0.002  | 0.0048 |
| 112.40 | 113.20 | 0.80 | W935283 | -0.01 | -0.5 | 0.0015 | 0.0035 | 0.0057 |
| 113.20 | 113.60 | 0.40 | W935284 | 0.24  | -0.5 | 0.0017 | 0.0032 | 0.0049 |
| 113.60 | 114.00 | 0.40 | W935285 | -0.01 | -0.5 | 0.0013 | 0.0046 | 0.0056 |
| 114.00 | 115.50 | 1.50 | W935286 | 0.03  | -0.5 | 0.001  | 0.0035 | 0.0059 |
| 115.50 | 116.60 | 1.10 | W935287 | 0.03  | -0.5 | 0.0023 | 0.0053 | 0.0058 |
| 116.60 | 117.00 | 0.40 | W935288 | 0.02  | -0.5 | 0.0033 | 0.0041 | 0.0058 |
| 117.00 | 118.00 | 1.00 | W935289 | -0.01 | -0.5 | 0.004  | 0.0043 | 0.006  |
| 118.00 | 118.70 | 0.70 | W935291 | 0.01  | -0.5 | 0.0021 | 0.0035 | 0.0055 |
| 118.70 | 119.50 | 0.80 | W935292 | -0.01 | -0.5 | 0.002  | 0.0043 | 0.0052 |
| 119.50 | 120.00 | 0.50 | W935293 | 0.03  | -0.5 | 0.0014 | 0.0045 | 0.0046 |
| 120.00 | 120.30 | 0.30 | W935294 | 0.01  | 7.6  | 0.0025 | 0.0833 | 0.0049 |
| 120.30 | 121.30 | 1.00 | W935295 | -0.01 | -0.5 | 0.0039 | 0.0079 | 0.007  |
| 121.30 | 121.80 | 0.50 | W935296 | 0.03  | -0.5 | 0.0024 | 0.0039 | 0.0065 |
| 121.80 | 123.00 | 1.20 | W935297 | -0.01 | -0.5 | 0.0028 | 0.0034 | 0.0072 |

Hole: GP20-04

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|          |        |                         | 123.00   | 123.70 | 0.70   | W935298  | 0.12   | -0.5   | 0.0056 | 0.0043 | 0.0064 |
|          |        |                         | 123.70   | 124.50 | 0.80   | W935301  | -0.01  | -0.5   | 0.0037 | 0.0033 | 0.0075 |
|          |        |                         | 124.50   | 125.10 | 0.60   | W935302  | -0.01  | -0.5   | 0.0091 | 0.0043 | 0.0076 |
|          |        |                         | 125.10   | 126.00 | 0.90   | W935303  | -0.01  | -0.5   | 0.0046 | 0.0035 | 0.0076 |
|          |        |                         | 126.00   | 127.20 | 1.20   | W935304  | -0.01  | -0.5   | 0.0026 | 0.0033 | 0.0068 |
|          |        |                         | 127.20   | 127.50 | 0.30   | W935305  | 4.04   | -0.5   | 0.0027 | 0.0038 | 0.0048 |
|          |        |                         | 127.50   | 129.00 | 1.50   | W935306  | -0.01  | -0.5   | 0.0011 | 0.0031 | 0.0067 |
|          |        |                         | 129.00   | 130.20 | 1.20   | W935307  | -0.01  | -0.5   | 0.0014 | 0.0031 | 0.0064 |
|          |        |                         | 130.20   | 130.60 | 0.40   | W935308  | 0.02   | -0.5   | 0.0051 | 0.0027 | 0.0061 |
|          |        |                         | 130.60   | 132.00 | 1.40   | W935309  | -0.01  | -0.5   | 0.0016 | 0.0029 | 0.0065 |
|          |        |                         | 132.00   | 132.50 | 0.50   | W935311  | -0.01  | -0.5   | 0.0017 | 0.0034 | 0.0069 |
|          |        |                         | 132.50   | 132.90 | 0.40   | W935312  | 0.24   | -0.5   | 0.0045 | 0.0023 | 0.0043 |
|          |        |                         | 132.90   | 134.20 | 1.30   | W935313  | 0.01   | -0.5   | 0.0024 | 0.0037 | 0.0071 |
|          |        |                         | 134.20   | 135.00 | 0.80   | W935314  | 0.02   | -0.5   | 0.0142 | 0.003  | 0.0068 |
|          |        |                         | 135.00   | 136.00 | 1.00   | W935315  | 0.03   | -0.5   | 0.0112 | 0.0054 | 0.0064 |
|          |        |                         | 136.00   | 137.50 | 1.50   | W935316  | -0.01  | -0.5   | 0.0038 | 0.0033 | 0.0065 |
|          |        |                         | 137.50   | 138.00 | 0.50   | W935317  | 0.02   | -0.5   | 0.0039 | 0.0026 | 0.0056 |
|          |        |                         | 138.00   | 139.00 | 1.00   | W935318  | 0.01   | -0.5   | 0.0024 | 0.0024 | 0.0062 |
|          |        |                         | 139.00   | 139.80 | 0.80   | W935319  | 0.02   | -0.5   | 0.0028 | 0.0027 | 0.0056 |
|          |        |                         | 139.80   | 141.00 | 1.20   | W935321  | 0.02   | -0.5   | 0.0018 | 0.0027 | 0.006  |
|          |        |                         | 141.00   | 141.80 | 0.80   | W935322  | -0.01  | -0.5   | 0.002  | 0.0024 | 0.0065 |
|          |        |                         | 141.80   | 142.20 | 0.40   | W935323  | 0.29   | -0.5   | 0.0019 | 0.0024 | 0.0042 |
|          |        |                         | 142.20   | 143.00 | 0.80   | W935324  | 0.17   | -0.5   | 0.0023 | 0.003  | 0.0057 |
|          |        |                         | 143.00   | 144.00 | 1.00   | W935325  | 0.01   | -0.5   | 0.0022 | 0.0039 | 0.007  |
|          |        |                         | 144.00   | 145.10 | 1.10   | W935326  | -0.01  | -0.5   | 0.0018 | 0.0036 | 0.0066 |
|          |        |                         | 145.10   | 145.40 | 0.30   | W935327  | 0.11   | -0.5   | 0.0017 | 0.0035 | 0.0067 |
|          |        |                         | 145.40   | 146.00 | 0.60   | W935328  | 0.07   | -0.5   | 0.0039 | 0.0041 | 0.006  |
|          |        |                         | 146.00   | 147.00 | 1.00   | W935329  | -0.01  | -0.5   | 0.0035 | 0.0035 | 0.0059 |

Hole: GP20-04

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | To (m)        | Rock Type & Description           | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                   | 147.00   | 148.00 | 1.00   | W935331  | -0.01  | -0.5   | 0.0049 | 0.0033 | 0.0063 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                   | 148.00   | 148.50 | 0.50   | W935332  | -0.01  | -0.5   | 0.0085 | 0.0032 | 0.0062 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                   | 148.50   | 149.20 | 0.70   | W935334  | -0.01  | -0.5   | 0.0031 | 0.0036 | 0.0065 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                   | 149.20   | 149.50 | 0.30   | W935335  | 0.03   | -0.5   | 0.0039 | 0.0024 | 0.0065 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                   | 149.50   | 150.00 | 0.50   | W935336  | 0.01   | -0.5   | 0.0046 | 0.0036 | 0.0062 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                   | 150.00   | 150.70 | 0.70   | W935337  | -0.01  | -0.5   | 0.0043 | 0.0026 | 0.0069 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                   | 150.70   | 152.20 | 1.50   | W935338  | -0.01  | -0.5   | 0.0029 | 0.0026 | 0.0066 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                   | 152.20   | 152.80 | 0.60   | W935339  | -0.01  | -0.5   | 0.001  | 0.0027 | 0.0067 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                   | 152.80   | 153.20 | 0.40   | W935341  | 0.28   | 2.4    | 0.0035 | 0.0235 | 0.0047 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                   | 153.20   | 154.00 | 0.80   | W935342  | -0.01  | -0.5   | 0.0037 | 0.0032 | 0.0065 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                   | 154.00   | 155.00 | 1.00   | W935343  | -0.01  | -0.5   | 0.0041 | 0.0027 | 0.0066 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                   | 155.00   | 156.50 | 1.50   | W935344  | 0.01   | -0.5   | 0.0008 | 0.0022 | 0.0063 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                   | 156.50   | 157.10 | 0.60   | W935345  | 0.05   | -0.5   | 0.0045 | 0.0034 | 0.0051 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                   | 157.10   | 157.70 | 0.60   | W935346  | 0.11   | -0.5   | 0.0002 | 0.0012 | 0.0069 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                   | 157.70   | 158.30 | 0.60   | W935347  | 0.17   | -0.5   | 0.0046 | 0.0016 | 0.0035 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                   | 158.30   | 159.00 | 0.70   | W935348  | 0.25   | -0.5   | 0.001  | 0.0009 | 0.0048 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                   | 159.00   | 160.00 | 1.00   | W935349  | 0.01   | -0.5   | 0.0017 | 0.002  | 0.006  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                   | 160.00   | 161.00 | 1.00   | W935351  | 0.01   | -0.5   | 0.0029 | 0.0029 | 0.0069 |
| <b>159.60</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>186.80</b> | <b>Monz carb mag ksp alb (py)</b> |          |        |        |          |        |        |        |        |        |
| <p>Less altered version of the monzonite in the previous lithology. K-metasomatism is less prominent, but still present around quartz-carb veinlets. Weak albitization is contained in alteration halos around some veins, and halos are also locally sericitic. Mineralization in the unit consists of fine- to coarse-grained pyrite both disseminated and within veins. The unit is crosscut by quartz-carb veins and ksp veins, both of which can be mineralized. Patchy weak-moderate magnetism. The unit contains xenoliths of komatiite up to several cm in size. Small feldspar phyric diabase(?) dykes intersect the lithology. Lower contact is sharp against a porphyritic dyke.</p> <p>&lt;&lt; Min: 159.6 - 186.8: pyrite 3% MG Disseminated / molybdenite 0.1% FG Fracture-coating &gt;&gt; py also coarser-grained in veins</p> <p>&lt;&lt; Alt: 159.6 - 186.8: CaCarb moderate Patchy / ksp weak to moderate Halo / mag weak to moderate Patchy / alb weak Halo / ser weak Halo / sil weak Halo &gt;&gt; alteration concentrated in halos aroundd veins.</p> <p>&lt;&lt; Vein: 159.6 - 186.8: QCVMS 2% FG Undulating massive / KVs 1% FG Undulating massive &gt;&gt;</p> |               |                                   |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                   | 161.00   | 162.00 | 1.00   | W935352  | -0.01  | -0.5   | 0.0043 | 0.0035 | 0.0081 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                   | 162.00   | 163.00 | 1.00   | W935353  | -0.01  | -0.5   | 0.0005 | 0.0034 | 0.007  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                   | 163.00   | 164.00 | 1.00   | W935354  | -0.01  | -0.5   | 0.0023 | 0.0025 | 0.0074 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                   | 164.00   | 164.50 | 0.50   | W935355  | -0.01  | -0.5   | 0.0024 | 0.0029 | 0.0071 |

Hole: GP20-04

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| 164.50   | 165.00 |                         | 164.50   | 165.00 | 0.50   | W935356  | -0.01  | -0.5   | 0.004  | 0.0028 | 0.0067 |
| 165.00   | 165.60 |                         | 165.00   | 165.60 | 0.60   | W935357  | -0.01  | -0.5   | 0.0008 | 0.0024 | 0.0066 |
| 165.60   | 167.00 |                         | 165.60   | 167.00 | 1.40   | W935358  | -0.01  | -0.5   | 0.0103 | 0.0043 | 0.0069 |
| 167.00   | 167.70 |                         | 167.00   | 167.70 | 0.70   | W935359  | -0.01  | -0.5   | 0.0024 | 0.0031 | 0.007  |
| 167.70   | 168.50 |                         | 167.70   | 168.50 | 0.80   | W935361  | 0.01   | -0.5   | 0.0045 | 0.0028 | 0.007  |
| 168.50   | 168.90 |                         | 168.50   | 168.90 | 0.40   | W935362  | -0.01  | -0.5   | 0.0122 | 0.0064 | 0.0077 |
| 168.90   | 169.40 |                         | 168.90   | 169.40 | 0.50   | W935363  | -0.01  | -0.5   | 0.006  | 0.0024 | 0.0104 |
| 169.40   | 170.80 |                         | 169.40   | 170.80 | 1.40   | W935364  | -0.01  | -0.5   | 0.0023 | 0.0025 | 0.0074 |
| 170.80   | 171.30 |                         | 170.80   | 171.30 | 0.50   | W935365  | -0.01  | -0.5   | 0.0018 | 0.0026 | 0.0072 |
| 171.30   | 171.60 |                         | 171.30   | 171.60 | 0.30   | W935367  | -0.01  | -0.5   | 0.0054 | 0.0063 | 0.0068 |
| 171.60   | 172.60 |                         | 171.60   | 172.60 | 1.00   | W935368  | -0.01  | -0.5   | 0.0008 | 0.0026 | 0.0071 |
| 172.60   | 172.90 |                         | 172.60   | 172.90 | 0.30   | W935369  | 0.19   | -0.5   | 0.0023 | 0.0031 | 0.0064 |
| 172.90   | 173.50 |                         | 172.90   | 173.50 | 0.60   | W935371  | 0.02   | -0.5   | 0.0005 | 0.0028 | 0.0072 |
| 173.50   | 174.00 |                         | 173.50   | 174.00 | 0.50   | W935372  | 0.01   | -0.5   | 0.0019 | 0.0027 | 0.0071 |
| 174.00   | 175.00 |                         | 174.00   | 175.00 | 1.00   | W935373  | -0.01  | -0.5   | 0.0022 | 0.0032 | 0.0072 |
| 175.00   | 175.50 |                         | 175.00   | 175.50 | 0.50   | W935374  | 0.01   | -0.5   | 0.0054 | 0.0027 | 0.007  |
| 175.50   | 176.40 |                         | 175.50   | 176.40 | 0.90   | W935375  | -0.01  | -0.5   | 0.0041 | 0.0028 | 0.0078 |
| 176.40   | 177.50 |                         | 176.40   | 177.50 | 1.10   | W935376  | -0.01  | -0.5   | 0.0044 | 0.0026 | 0.0073 |
| 177.50   | 178.50 |                         | 177.50   | 178.50 | 1.00   | W935377  | -0.01  | -0.5   | 0.0027 | 0.0022 | 0.0069 |
| 178.50   | 179.10 |                         | 178.50   | 179.10 | 0.60   | W935378  | -0.01  | -0.5   | 0.0013 | 0.0023 | 0.006  |
| 179.10   | 180.00 |                         | 179.10   | 180.00 | 0.90   | W935379  | 0.01   | -0.5   | 0.0034 | 0.0022 | 0.0066 |
| 180.00   | 181.00 |                         | 180.00   | 181.00 | 1.00   | W935381  | 0.02   | -0.5   | 0.0051 | 0.0037 | 0.0069 |
| 181.00   | 182.00 |                         | 181.00   | 182.00 | 1.00   | W935382  | -0.01  | -0.5   | 0.004  | 0.0019 | 0.0065 |
| 182.00   | 183.00 |                         | 182.00   | 183.00 | 1.00   | W935383  | -0.01  | -0.5   | 0.005  | 0.0041 | 0.007  |
| 183.00   | 184.00 |                         | 183.00   | 184.00 | 1.00   | W935384  | -0.01  | -0.5   | 0.0031 | 0.0029 | 0.0068 |
| 184.00   | 185.50 |                         | 184.00   | 185.50 | 1.50   | W935385  | -0.01  | -0.5   | 0.001  | 0.0031 | 0.007  |
| 185.50   | 186.90 |                         | 185.50   | 186.90 | 1.40   | W935386  | -0.01  | -0.5   | 0.0106 | 0.0028 | 0.0072 |

Hole: GP20-04

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | To (m)        | Rock Type & Description            | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| <b>186.80</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>191.70</b> | <b>FP chl (carb) ((py))</b>        |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               | <b>110</b>                         | 186.90   | 187.60 | 0.70   | W935387  | -0.01  | -0.5   | 0.0023 | 0.002  | 0.0103 |
| <p>Dark gray feldspar porphyry intrusive. Groundmass is fine-grained and monzodioritic(?), containing tabular hornblende and/or biotite. The unit appears to be syngenetic with the monzonite, based on gradational contacts. Groundmass is weakly chloritic and weakly carb altered and weakly to moderately silicified. The rock is crosscut by quartz-carb veins which contain pyrite blebs. Fractures are filled with CaCarb. Patchy weak magnetism. Lower contact is gradational.</p> <p>&lt;&lt; Min: 186.8 - 191.7: pyrite 1% FG Blebby &gt;&gt;</p> <p>&lt;&lt; Alt: 186.8 - 191.7: chl weak to moderate Selective / CaCarb weak to moderate Selective / mag weak Patchy / sil weak Pervasive &gt;&gt;</p> <p>&lt;&lt; Vein: 186.8 - 191.7: QCVMs 0.5% FG Undulating massive / CVs 0.5% VFG Irregular/Blebby massive &gt;&gt; frac fill CVs</p> |               |                                    |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                    | 187.60   | 187.90 | 0.30   | W935388  | 0.01   | -0.5   | 0.0048 | 0.0026 | 0.0088 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                    | 187.90   | 189.00 | 1.10   | W935389  | -0.01  | -0.5   | 0.002  | 0.0025 | 0.0096 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                    | 189.00   | 189.30 | 0.30   | W935391  | -0.01  | -0.5   | 0.0049 | 0.0025 | 0.0096 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                    | 189.30   | 190.70 | 1.40   | W935392  | -0.01  | -0.5   | 0.0054 | 0.0022 | 0.01   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                    | 190.70   | 191.70 | 1.00   | W935393  | -0.01  | 0.6    | 0.0091 | 0.0021 | 0.0087 |
| <b>191.70</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>196.00</b> | <b>Monz carb chl hem (py)</b>      |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               | <b>106</b>                         |          |        |        |          |        |        |        |        |        |
| <p>Same monzonite as above FP unit, but not dyked. Lower contact is marked by increase in alteration.</p> <p>&lt;&lt; Min: 191.7 - 196: pyrite 3% MG Disseminated / molybdenite 0.1% FG Fracture-coating &gt;&gt; py also coarser-grained in veins</p> <p>&lt;&lt; Alt: 191.7 - 196: CaCarb moderate Patchy / ksp weak to moderate Halo / mag weak to moderate Patchy / alb weak Halo / ser weak Halo / sil weak Halo &gt;&gt; alteration concentrated in halos aroundd veins.</p> <p>&lt;&lt; Vein: 191.7 - 196: QCVMs 2% FG Undulating massive / KVs 1% FG Undulating massive &gt;&gt;</p>                                                                                                                                                                                                                                                            |               |                                    |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                    | 191.70   | 193.00 | 1.30   | W935394  | -0.01  | -0.5   | 0.0125 | 0.0023 | 0.0085 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                    | 193.00   | 194.30 | 1.30   | W935395  | -0.01  | 0.8    | 0.0144 | 0.0019 | 0.0084 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                    | 194.30   | 195.00 | 0.70   | W935396  | -0.01  | -0.5   | 0.0062 | 0.0021 | 0.008  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                    | 195.00   | 196.00 | 1.00   | W935397  | -0.01  | -0.5   | 0.0083 | 0.0023 | 0.0089 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                    | 196.00   | 196.50 | 0.50   | W935398  | 0.07   | -0.5   | 0.0091 | 0.0031 | 0.0092 |
| <b>196.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>236.00</b> | <b>Monz altd ksp alb carb (py)</b> |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               | <b>106</b>                         |          |        |        |          |        |        |        |        |        |
| <p>Nearly the same as altered monzonite logged from 111.1-159.6m. Carb alteration is more intense, especially in a sericitic halo from 196.0-199.5m. Unit is crosscut by small diabase(?) and intermediate dykes with monzonite xenoliths. Quartz-carb veins locally contain coarse blobs of pyrite and medium-grained molybdenite. Lower contact is marked by gradational change to feldspar phyrich phase.</p> <p>&lt;&lt; Min: 196 - 236: pyrite 3% FG Disseminated / molybdenite 0.1% VFG Fracture-coating &gt;&gt;</p> <p>&lt;&lt; Alt: 196 - 236: CaCarb moderate Halo / ksp moderate Halo / alb weak to moderate Halo / ser weak to moderate Halo / sil weak Halo / mag weak Patchy / FeCarb weak Patchy &gt;&gt;</p>                                                                                                                            |               |                                    |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                    | 196.50   | 198.00 | 1.50   | W935401  | 0.01   | -0.5   | 0.0036 | 0.0027 | 0.0092 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                    | 198.00   | 198.90 | 0.90   | W935402  | 0.14   | -0.5   | 0.0033 | 0.0017 | 0.0108 |

Hole: GP20-04

| From (m)                                                                                                               | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|------------------------------------------------------------------------------------------------------------------------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| << Vein: 196 - 236: QCVMs 3% FG Undulating massive / QVs 1% VFG Undulating massive / KVs 0.5% MG Undulating massive >> |        |                         | 198.90   | 199.20 | 0.30   | W935403  | 0.41   | -0.5   | 0.0048 | 0.0014 | 0.0062 |
|                                                                                                                        |        |                         | 199.20   | 200.40 | 1.20   | W935404  | 0.09   | -0.5   | 0.004  | 0.003  | 0.0063 |
|                                                                                                                        |        |                         | 200.40   | 201.00 | 0.60   | W935405  | 0.01   | -0.5   | 0.0037 | 0.0029 | 0.007  |
|                                                                                                                        |        |                         | 201.00   | 201.80 | 0.80   | W935406  | -0.01  | -0.5   | 0.0045 | 0.0035 | 0.0068 |
|                                                                                                                        |        |                         | 201.80   | 202.40 | 0.60   | W935407  | -0.01  | -0.5   | 0.0028 | 0.0026 | 0.0068 |
|                                                                                                                        |        |                         | 202.40   | 203.00 | 0.60   | W935408  | -0.01  | -0.5   | 0.0039 | 0.0041 | 0.0067 |
|                                                                                                                        |        |                         | 203.00   | 204.00 | 1.00   | W935409  | -0.01  | 1.3    | 0.0056 | 0.0132 | 0.0071 |
|                                                                                                                        |        |                         | 204.00   | 204.60 | 0.60   | W935411  | -0.01  | -0.5   | 0.0034 | 0.0023 | 0.0071 |
|                                                                                                                        |        |                         | 204.60   | 205.40 | 0.80   | W935412  | -0.01  | -0.5   | 0.0029 | 0.003  | 0.0069 |
|                                                                                                                        |        |                         | 205.40   | 206.30 | 0.90   | W935413  | 0.13   | -0.5   | 0.0047 | 0.0026 | 0.0067 |
|                                                                                                                        |        |                         | 206.30   | 207.00 | 0.70   | W935414  | 0.03   | -0.5   | 0.006  | 0.0038 | 0.0068 |
|                                                                                                                        |        |                         | 207.00   | 208.00 | 1.00   | W935415  | -0.01  | -0.5   | 0.0043 | 0.0057 | 0.0073 |
|                                                                                                                        |        |                         | 208.00   | 209.50 | 1.50   | W935416  | 0.02   | -0.5   | 0.0056 | 0.0031 | 0.0078 |
|                                                                                                                        |        |                         | 209.50   | 210.00 | 0.50   | W935417  | 0.02   | -0.5   | 0.0005 | 0.0024 | 0.0072 |
|                                                                                                                        |        |                         | 210.00   | 210.70 | 0.70   | W935418  | -0.01  | -0.5   | 0.0007 | 0.0023 | 0.0072 |
|                                                                                                                        |        |                         | 210.70   | 211.80 | 1.10   | W935419  | -0.01  | -0.5   | 0.0009 | 0.0031 | 0.0068 |
|                                                                                                                        |        |                         | 211.80   | 212.20 | 0.40   | W935421  | 0.8    | -0.5   | 0.0033 | 0.0039 | 0.0068 |
|                                                                                                                        |        |                         | 212.20   | 213.00 | 0.80   | W935422  | -0.01  | -0.5   | 0.0012 | 0.0021 | 0.0068 |
|                                                                                                                        |        |                         | 213.00   | 213.90 | 0.90   | W935423  | 0.01   | -0.5   | 0.003  | 0.0025 | 0.0071 |
|                                                                                                                        |        |                         | 213.90   | 214.50 | 0.60   | W935424  | -0.01  | -0.5   | 0.0028 | 0.0027 | 0.007  |
|                                                                                                                        |        |                         | 214.50   | 215.80 | 1.30   | W935425  | -0.01  | -0.5   | 0.0022 | 0.0026 | 0.0071 |
|                                                                                                                        |        |                         | 215.80   | 216.50 | 0.70   | W935426  | -0.01  | -0.5   | 0.0064 | 0.0027 | 0.0075 |
|                                                                                                                        |        |                         | 216.50   | 216.90 | 0.40   | W935427  | 0.02   | -0.5   | 0.008  | 0.0055 | 0.0069 |
|                                                                                                                        |        |                         | 216.90   | 218.10 | 1.20   | W935428  | -0.01  | -0.5   | 0.0134 | 0.0028 | 0.0072 |
|                                                                                                                        |        |                         | 218.10   | 219.00 | 0.90   | W935429  | -0.01  | -0.5   | 0.0082 | 0.0025 | 0.0073 |
|                                                                                                                        |        |                         | 219.00   | 220.50 | 1.50   | W935431  | 0.01   | -0.5   | 0.0015 | 0.002  | 0.0071 |
|                                                                                                                        |        |                         | 220.50   | 221.90 | 1.40   | W935432  | -0.01  | -0.5   | 0.0021 | 0.0021 | 0.007  |



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| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | To (m)        | Rock Type & Description     | From (m) | To (m) | Length | Sample #   | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------|----------|--------|--------|------------|--------|--------|--------|--------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                             | 221.90   | 222.20 | 0.30   | W935434    | -0.01  | -0.5   | 0.0018 | 0.0022 | 0.0069 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                             | 222.20   | 222.60 | 0.40   | W935435    | 0.24   | -0.5   | 0.0033 | 0.0037 | 0.0069 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                             | 222.60   | 223.80 | 1.20   | W935436    | 0.04   | -0.5   | 0.0073 | 0.0026 | 0.0068 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                             | 223.80   | 225.00 | 1.20   | W935437    | 0.01   | -0.5   | 0.0064 | 0.0021 | 0.0068 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                             | 225.00   | 226.00 | 1.00   | W935438    | -0.01  | -0.5   | 0.0059 | 0.0025 | 0.0071 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                             | 226.00   | 226.60 | 0.60   | W935439    | -0.01  | -0.5   | 0.0029 | 0.0041 | 0.0074 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                             | 226.60   | 228.00 | 1.40   | W935441    | -0.01  | -0.5   | 0.0036 | 0.0043 | 0.0071 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                             | 228.00   | 228.60 | 0.60   | W935442    | -0.01  | -0.5   | 0.0021 | 0.0022 | 0.0065 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                             | 228.60   | 230.10 | 1.50   | W935443    | -0.01  | -0.5   | 0.005  | 0.0022 | 0.0067 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                             | 230.10   | 231.00 | 0.90   | W935444    | -0.01  | -0.5   | 0.0023 | 0.0019 | 0.0065 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                             | 231.00   | 232.20 | 1.20   | W935445    | -0.01  | -0.5   | 0.0066 | 0.0025 | 0.0069 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                             | 232.20   | 232.70 | 0.50   | W935446    | -0.01  | -0.5   | 0.0084 | 0.002  | 0.0067 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                             | 232.70   | 234.00 | 1.30   | W935447    | 0.04   | -0.5   | 0.003  | 0.0029 | 0.0063 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                             | 234.00   | 235.20 | 1.20   | W935448    | -0.01  | -0.5   | 0.0011 | 0.0024 | 0.007  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                             | 235.20   | 235.50 | 0.30   | W935449    | -0.01  | 0.5    | 0.0336 | 0.0044 | 0.0093 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                             | 235.50   | 236.00 | 0.50   | W935501    | -0.01  | -0.5   | 0.0229 | 0.0028 | 0.0078 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                             | 236.00   | 237.00 | 1.00   | W935502    | -0.01  | -0.5   | 0.0077 | 0.0035 | 0.0078 |
| <b>236.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>242.50</b> | <b>FP chl (carb) ((py))</b> |          |        |        | <b>110</b> |        |        |        |        |        |
| <p>Nearly identical to FP unit logged from 186.8-191.7m. Porphyritic phase of monzonite intrusion??. Higher percentage of phenocrysts. In the upper portion of the interval, the rock is moderately foliated. Lower contact is marked by gradational change back into more equigranular monzonite</p> <p>&lt;&lt; Min: 236 - 242.5: pyrite 1% FG Blebby &gt;&gt;</p> <p>&lt;&lt; Alt: 236 - 242.5: chl weak to moderate Selective / CaCarb weak to moderate Selective / mag weak Patchy / sil weak Pervasive &gt;&gt;</p> <p>&lt;&lt; Vein: 236 - 242.5: QCVMs 0.5% FG Undulating massive / CVs 0.5% VFG Irregular/Blebby massive &gt;&gt; frac fill CVs</p> |               |                             |          |        |        |            |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                             | 237.00   | 238.30 | 1.30   | W935503    | -0.01  | -0.5   | 0.0081 | 0.003  | 0.0078 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                             | 238.30   | 239.30 | 1.00   | W935504    | -0.01  | -0.5   | 0.0105 | 0.003  | 0.0076 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                             | 239.30   | 240.00 | 0.70   | W935505    | -0.01  | -0.5   | 0.0122 | 0.0029 | 0.0077 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                             | 240.00   | 241.10 | 1.10   | W935506    | -0.01  | -0.5   | 0.0183 | 0.0027 | 0.0081 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                             | 241.10   | 242.40 | 1.30   | W935507    | -0.01  | -0.5   | 0.0199 | 0.0052 | 0.0078 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                             | 242.40   | 243.00 | 0.60   | W935508    | -0.01  | 0.7    | 0.0799 | 0.0025 | 0.0088 |

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| From (m)                                                                                                                                                                          | To (m)        | Rock Type & Description            | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| <b>242.50</b>                                                                                                                                                                     | <b>260.60</b> | <b>Monz altd ksp alb carb (py)</b> |          |        |        |          |        |        |        |        |        |
| Same monzonite as logged above previous FP unit. Lower contact is broken/faulted.                                                                                                 |               |                                    |          |        |        |          |        |        |        |        |        |
| << Min: 242.5 - 260.6: pyrite 3% FG Disseminated / molybdenite 0.1% VFG Fracture-coating >>                                                                                       |               |                                    |          |        |        |          |        |        |        |        |        |
| << Alt: 242.5 - 260.6: CaCarb moderate Halo / ksp moderate Halo / alb weak to moderate Halo / ser weak to moderate Halo / sil weak Halo / mag weak Patchy / FeCarb weak Patchy >> |               |                                    |          |        |        |          |        |        |        |        |        |
| << Vein: 242.5 - 260.6: QCVMs 3% FG Undulating massive / QVs 1% VFG Undulating massive / KVs 0.5% MG Undulating massive >>                                                        |               |                                    |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                   |               | <b>106</b>                         | 243.00   | 243.90 | 0.90   | W935509  | -0.01  | -0.5   | 0.0257 | 0.0028 | 0.0097 |
|                                                                                                                                                                                   |               |                                    | 243.90   | 244.70 | 0.80   | W935511  | -0.01  | -0.5   | 0.0032 | 0.0025 | 0.0088 |
|                                                                                                                                                                                   |               |                                    | 244.70   | 246.00 | 1.30   | W935512  | -0.01  | -0.5   | 0.0108 | 0.0154 | 0.0082 |
|                                                                                                                                                                                   |               |                                    | 246.00   | 247.00 | 1.00   | W935513  | 0.11   | -0.5   | 0.007  | 0.0018 | 0.008  |
|                                                                                                                                                                                   |               |                                    | 247.00   | 247.50 | 0.50   | W935514  | 0.03   | 0.5    | 0.008  | 0.0065 | 0.0072 |
|                                                                                                                                                                                   |               |                                    | 247.50   | 249.00 | 1.50   | W935515  | -0.01  | -0.5   | 0.0062 | 0.0024 | 0.0071 |
|                                                                                                                                                                                   |               |                                    | 249.00   | 250.30 | 1.30   | W935516  | -0.01  | -0.5   | 0.0078 | 0.0026 | 0.0067 |
|                                                                                                                                                                                   |               |                                    | 250.30   | 250.80 | 0.50   | W935517  | 0.17   | -0.5   | 0.0097 | 0.0029 | 0.0069 |
|                                                                                                                                                                                   |               |                                    | 250.80   | 251.50 | 0.70   | W935518  | 0.01   | -0.5   | 0.0063 | 0.0029 | 0.0063 |
|                                                                                                                                                                                   |               |                                    | 251.50   | 252.00 | 0.50   | W935519  | -0.01  | -0.5   | 0.0072 | 0.003  | 0.0067 |
|                                                                                                                                                                                   |               |                                    | 252.00   | 252.70 | 0.70   | W935521  | -0.01  | -0.5   | 0.0114 | 0.0022 | 0.0066 |
|                                                                                                                                                                                   |               |                                    | 252.70   | 253.00 | 0.30   | W935522  | -0.01  | -0.5   | 0.0146 | 0.0019 | 0.0062 |
|                                                                                                                                                                                   |               |                                    | 253.00   | 253.30 | 0.30   | W935523  | -0.01  | -0.5   | 0.0131 | 0.006  | 0.0068 |
|                                                                                                                                                                                   |               |                                    | 253.30   | 254.80 | 1.50   | W935524  | -0.01  | -0.5   | 0.0102 | 0.0027 | 0.0068 |
|                                                                                                                                                                                   |               |                                    | 254.80   | 255.30 | 0.50   | W935525  | -0.01  | -0.5   | 0.0094 | 0.0055 | 0.0065 |
|                                                                                                                                                                                   |               |                                    | 255.30   | 256.70 | 1.40   | W935526  | -0.01  | -0.5   | 0.0076 | 0.0021 | 0.0064 |
|                                                                                                                                                                                   |               |                                    | 256.70   | 257.00 | 0.30   | W935527  | -0.01  | -0.5   | 0.0048 | 0.0031 | 0.0058 |
|                                                                                                                                                                                   |               |                                    | 257.00   | 258.00 | 1.00   | W935528  | 0.17   | -0.5   | 0.0137 | 0.0044 | 0.0082 |
|                                                                                                                                                                                   |               |                                    | 258.00   | 258.40 | 0.40   | W935529  | -0.01  | -0.5   | 0.0183 | 0.0028 | 0.0066 |
|                                                                                                                                                                                   |               |                                    | 258.40   | 258.70 | 0.30   | W935531  | -0.01  | -0.5   | 0.03   | 0.0066 | 0.0064 |
|                                                                                                                                                                                   |               |                                    | 258.70   | 259.70 | 1.00   | W935532  | -0.01  | -0.5   | 0.0122 | 0.0026 | 0.0055 |
|                                                                                                                                                                                   |               |                                    | 259.70   | 260.20 | 0.50   | W935534  | -0.01  | -0.5   | 0.0093 | 0.0027 | 0.005  |
|                                                                                                                                                                                   |               |                                    | 260.20   | 260.60 | 0.40   | W935535  | -0.01  | -0.5   | 0.0037 | 0.0009 | 0.0054 |
|                                                                                                                                                                                   |               |                                    | 260.60   | 262.10 | 1.50   | W935536  | -0.01  | -0.5   | 0.0102 | 0.0022 | 0.0064 |

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| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | To (m)        | Rock Type & Description            | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| <b>260.60</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>264.00</b> | <b>Fault carb (gg)</b>             |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                    | 262.10   | 263.60 | 1.50   | W935537  | -0.01  | -0.5   | 0.0072 | 0.0031 | 0.0062 |
| <p>Wide fault zone cutting through altered monzonite. Relatively minor gouge component for how broken the core is. Core has been broken/ground into gravel to cobble sized pieces. Gouge is dark gray, chloritic, and moderately calcareous. Broken pieces of core are locally slickensided. Lower contact is marked by a change back into more competent core.</p> <p>&lt;&lt; Min: 260.6 - 264: pyrite 1% FG Disseminated &gt;&gt;</p> <p>&lt;&lt; Alt: 260.6 - 264: CaCarb moderate Selective / chl weak to moderate Selective / mag moderate Patchy &gt;&gt;</p> |               |                                    |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                    | 263.60   | 264.00 | 0.40   | W935538  | -0.01  | -0.5   | 0.0085 | 0.0034 | 0.0064 |
| <b>264.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>276.20</b> | <b>Monz altd ksp alb carb (py)</b> |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                    | 264.00   | 264.80 | 0.80   | W935539  | -0.01  | -0.5   | 0.0036 | 0.0021 | 0.0062 |
| <p>Same altered monzonite as logged above previous fault unit. Lower contact is a dyke.</p> <p>&lt;&lt; Min: 264 - 276.2: pyrite 3% FG Disseminated / molybdenite 0.1% VFG Fracture-coating &gt;&gt;</p> <p>&lt;&lt; Alt: 264 - 276.2: CaCarb moderate Halo / ksp moderate Halo / alb weak to moderate Halo / ser weak to moderate Halo / sil weak Halo / mag weak Patchy / FeCarb weak Patchy &gt;&gt;</p> <p>&lt;&lt; Vein: 264 - 276.2: QCVMs 2% FG Undulating massive / QVs 1% VFG Undulating massive / KVs 0.5% MG Undulating massive &gt;&gt;</p>              |               |                                    |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                    | 264.80   | 266.30 | 1.50   | W935541  | -0.01  | -0.5   | 0.0048 | 0.0025 | 0.0058 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                    | 266.30   | 266.90 | 0.60   | W935542  | 0.1    | -0.5   | 0.0108 | 0.0036 | 0.0053 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                    | 266.90   | 268.00 | 1.10   | W935543  | -0.01  | -0.5   | 0.0047 | 0.0026 | 0.0061 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                    | 268.00   | 268.40 | 0.40   | W935544  | 0.2    | -0.5   | 0.0061 | 0.0008 | 0.004  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                    | 268.40   | 268.90 | 0.50   | W935545  | 0.04   | -0.5   | 0.0058 | 0.0011 | 0.0056 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                    | 268.90   | 269.30 | 0.40   | W935546  | -0.01  | -0.5   | 0.0127 | 0.0022 | 0.005  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                    | 269.30   | 270.00 | 0.70   | W935547  | -0.01  | -0.5   | 0.0246 | 0.0023 | 0.0051 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                    | 270.00   | 270.40 | 0.40   | W935548  | -0.01  | -0.5   | 0.028  | 0.0023 | 0.0057 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                    | 270.40   | 270.90 | 0.50   | W935549  | -0.01  | -0.5   | 0.0124 | 0.0022 | 0.0057 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                    | 270.90   | 271.30 | 0.40   | W935451  | -0.01  | -0.5   | 0.0063 | 0.001  | 0.0049 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                    | 271.30   | 272.80 | 1.50   | W935452  | -0.01  | -0.5   | 0.0049 | 0.0017 | 0.0048 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                    | 272.80   | 273.40 | 0.60   | W935453  | 0.14   | -0.5   | 0.0071 | 0.0017 | 0.0052 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                    | 273.40   | 273.80 | 0.40   | W935454  | -0.01  | -0.5   | 0.0027 | 0.0037 | 0.0063 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                    | 273.80   | 274.60 | 0.80   | W935455  | -0.01  | -0.5   | 0.0064 | 0.0024 | 0.0052 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                    | 274.60   | 275.10 | 0.50   | W935456  | -0.01  | -0.5   | 0.0434 | 0.0023 | 0.0051 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                    | 275.10   | 275.80 | 0.70   | W935457  | 0.01   | -0.5   | 0.007  | 0.0025 | 0.0058 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                    | 275.80   | 276.20 | 0.40   | W935458  | 0.01   | -0.5   | 0.0122 | 0.0012 | 0.0038 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                    | 276.20   | 276.90 | 0.70   | W935459  | 0.01   | -0.5   | 0.0034 | 0.002  | 0.0111 |

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| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | To (m)        | Rock Type & Description            | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| <b>276.20</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>278.90</b> | <b>Diabase Dyke CARB py (hem)</b>  |          |        |        |          |        |        |        |        |        |
| <p>Dark gray, fine-grained diabase dyke. Unit is pervasively strongly CaCarb-altered and, in halos around quartz-carb veins, weakly sericitic. Very weak patchy magnetism. The interval is crosscut by mineralized quartz carb veins which contain blebby FeCarb. Mineralization in the lithology consists of subhedral to blebby pyrite in quartz-carb veins, and fine-grained specular hematite along fracture surfaces. Lower contact is sharp at the end of the dyke.</p> <p>&lt;&lt; Min: 276.2 - 278.9: pyrite 1% FG Blebby / hematite 0.5% VFG Fracture-coating &gt;&gt; hematite is specular</p> <p>&lt;&lt; Alt: 276.2 - 278.9: CaCarb strong Pervasive / ser weak Halo / mag weak Patchy &gt;&gt;</p> <p>&lt;&lt; Vein: 276.2 - 278.9: QCVMs 1% FG Undulating massive &gt;&gt;</p> |               |                                    |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                    | 276.90   | 277.20 | 0.30   | W935461  | -0.01  | -0.5   | 0.0055 | 0.0014 | 0.0117 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                    | 277.20   | 278.20 | 1.00   | W935462  | -0.01  | -0.5   | 0.0016 | 0.0022 | 0.0116 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                    | 278.20   | 278.90 | 0.70   | W935463  | -0.01  | -0.5   | 0.002  | 0.002  | 0.0111 |
| <b>278.90</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>281.70</b> | <b>FP chl (carb) ((py))</b>        |          |        |        |          |        |        |        |        |        |
| <p>Same as previously logged feldspar porphyry units, with a higher degree of k-metasomatism. Lower contact is gradational back into more equigranular monzonite.</p> <p>&lt;&lt; Min: 278.9 - 281.7: pyrite 1% FG Blebby &gt;&gt;</p> <p>&lt;&lt; Alt: 278.9 - 281.7: chl weak to moderate Selective / CaCarb weak to moderate Selective / mag weak Patchy / sil weak Pervasive &gt;&gt;</p> <p>&lt;&lt; Vein: 278.9 - 281.7: QCVMs 0.5% FG Undulating massive / CVs 0.5% VFG Irregular/Blebby massive &gt;&gt; frac fill CVs</p>                                                                                                                                                                                                                                                           |               |                                    |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                    | 278.90   | 279.50 | 0.60   | W935464  | 0.02   | 0.9    | 0.0095 | 0.0026 | 0.005  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                    | 279.50   | 280.10 | 0.60   | W935465  | 0.02   | -0.5   | 0.0063 | 0.0022 | 0.0066 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                    | 280.10   | 281.10 | 1.00   | W935467  | -0.01  | -0.5   | 0.0034 | 0.0027 | 0.0067 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                    | 281.10   | 281.70 | 0.60   | W935468  | -0.01  | -0.5   | 0.0013 | 0.0027 | 0.0066 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                    | 281.70   | 282.40 | 0.70   | W935469  | -0.01  | -0.5   | 0.0028 | 0.0021 | 0.0062 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                    | 282.40   | 283.90 | 1.50   | W935471  | -0.01  | -0.5   | 0.0032 | 0.0017 | 0.0055 |
| <b>281.70</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>304.50</b> | <b>Monz altd ksp alb carb (py)</b> |          |        |        |          |        |        |        |        |        |
| <p>Same altered monzonite as encountered throughout the drill hole. Subparallel TCA is a mineralized qtz-carb-ksp vein. Lower contact is sharp into komatiite.</p> <p>&lt;&lt; Min: 281.7 - 304.5: pyrite 3% FG Disseminated / molybdenite 0.1% VFG Fracture-coating &gt;&gt;</p> <p>&lt;&lt; Alt: 281.7 - 304.5: CaCarb moderate Halo / ksp moderate Halo / alb weak to moderate Halo / ser weak to moderate Halo / sil weak Halo / mag weak Patchy / FeCarb weak Patchy &gt;&gt;</p> <p>&lt;&lt; Vein: 281.7 - 304.5: QCVMs 2% FG Undulating massive / QVs 1% VFG Undulating massive / KVs 0.5% MG Undulating massive &gt;&gt;</p>                                                                                                                                                         |               |                                    |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                    | 283.90   | 284.90 | 1.00   | W935472  | -0.01  | -0.5   | 0.0017 | 0.0015 | 0.0057 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                    | 284.90   | 285.40 | 0.50   | W935473  | -0.01  | -0.5   | 0.0104 | 0.0017 | 0.0058 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                    | 285.40   | 286.20 | 0.80   | W935474  | -0.01  | -0.5   | 0.0062 | 0.0021 | 0.0089 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                    | 286.20   | 286.70 | 0.50   | W935475  | -0.01  | -0.5   | 0.006  | 0.0014 | 0.0088 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                    | 286.70   | 287.40 | 0.70   | W935476  | -0.01  | -0.5   | 0.0056 | 0.0017 | 0.0058 |

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| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| 287.40   | 288.00 |                         | 287.40   | 288.00 | 0.60   | W935477  | -0.01  | -0.5   | 0.0032 | 0.0015 | 0.0064 |
| 288.00   | 289.00 |                         | 288.00   | 289.00 | 1.00   | W935478  | -0.01  | -0.5   | 0.0031 | 0.0019 | 0.0059 |
| 289.00   | 289.50 |                         | 289.00   | 289.50 | 0.50   | W935479  | -0.01  | -0.5   | 0.0041 | 0.0014 | 0.0062 |
| 289.50   | 290.30 |                         | 289.50   | 290.30 | 0.80   | W935481  | -0.01  | -0.5   | 0.0093 | 0.001  | 0.0063 |
| 290.30   | 291.00 |                         | 290.30   | 291.00 | 0.70   | W935482  | -0.01  | -0.5   | 0.0115 | 0.0016 | 0.0061 |
| 291.00   | 291.40 |                         | 291.00   | 291.40 | 0.40   | W935483  | -0.01  | -0.5   | 0.0099 | 0.0016 | 0.0052 |
| 291.40   | 291.90 |                         | 291.40   | 291.90 | 0.50   | W935484  | -0.01  | -0.5   | 0.0086 | 0.0019 | 0.0053 |
| 291.90   | 292.60 |                         | 291.90   | 292.60 | 0.70   | W935485  | -0.01  | -0.5   | 0.0119 | 0.0018 | 0.0053 |
| 292.60   | 293.60 |                         | 292.60   | 293.60 | 1.00   | W935486  | -0.01  | 0.7    | 0.0093 | 0.0021 | 0.0053 |
| 293.60   | 294.00 |                         | 293.60   | 294.00 | 0.40   | W935487  | -0.01  | -0.5   | 0.0031 | 0.0018 | 0.0054 |
| 294.00   | 295.50 |                         | 294.00   | 295.50 | 1.50   | W935488  | 0.02   | -0.5   | 0.0029 | 0.002  | 0.0054 |
| 295.50   | 296.30 |                         | 295.50   | 296.30 | 0.80   | W935489  | -0.01  | -0.5   | 0.0025 | 0.0021 | 0.0055 |
| 296.30   | 296.60 |                         | 296.30   | 296.60 | 0.30   | W935491  | 0.13   | -0.5   | 0.0034 | 0.0004 | 0.0038 |
| 296.60   | 297.30 |                         | 296.60   | 297.30 | 0.70   | W935492  | 0.18   | -0.5   | 0.002  | 0.0004 | 0.0025 |
| 297.30   | 297.60 |                         | 297.30   | 297.60 | 0.30   | W935493  | 0.09   | -0.5   | 0.0029 | 0.0009 | 0.0033 |
| 297.60   | 298.30 |                         | 297.60   | 298.30 | 0.70   | W935494  | 0.14   | -0.5   | 0.0049 | 0.001  | 0.0037 |
| 298.30   | 299.30 |                         | 298.30   | 299.30 | 1.00   | W935495  | 0.12   | -0.5   | 0.0044 | 0.0008 | 0.0034 |
| 299.30   | 300.00 |                         | 299.30   | 300.00 | 0.70   | W935496  | 0.06   | -0.5   | 0.003  | 0.001  | 0.0036 |
| 300.00   | 300.70 |                         | 300.00   | 300.70 | 0.70   | W935497  | 0.08   | -0.5   | 0.0025 | 0.0008 | 0.0041 |
| 300.70   | 301.70 |                         | 300.70   | 301.70 | 1.00   | W935498  | 0.06   | -0.5   | 0.0036 | 0.0007 | 0.0037 |
| 301.70   | 303.00 |                         | 301.70   | 303.00 | 1.30   | W935499  | 0.05   | -0.5   | 0.0044 | 0.0008 | 0.0036 |
| 303.00   | 304.00 |                         | 303.00   | 304.00 | 1.00   | B280001  | -0.01  | -0.5   | 0.0074 | 0.0009 | 0.0045 |
| 304.00   | 304.50 |                         | 304.00   | 304.50 | 0.50   | B280002  | 0.01   | 1.6    | 0.0084 | 0.0073 | 0.0036 |

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| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | To (m)        | Rock Type & Description                  | From (m)  | To (m) | Length | Sample # | Au ppm  | Ag ppm | Cu pct | Pb pct | Zn pct |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------------|-----------|--------|--------|----------|---------|--------|--------|--------|--------|--------|
| <b>304.50</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>319.50</b> | <b>Kom Msv fltd talc carb chl ((py))</b> | <b>10</b> | 304.50 | 305.00 | 0.50     | B280003 | -0.01  | -0.5   | 0.0022 | 0.0003 | 0.0112 |
| <p>Dark green to dark gray, fine-grained, massive komatiite. Unit is pervasively talc and CaCarb altered, and contains chlorite. Komatiite is pillowed, with more intense carb in pillow selvages. Fracture filling carb veins form a network through the rock. Locally, blebby pyrite is contained within carb veins along selvages. Fine-grained pyrite is also disseminated throughout the interval in minor amounts. Small faults crosscut the unit, and often display a cataclastic texture. Gougey components are calcareous. Moderate-strong magnetism, and fine- to medium-grained magnetite disseminated in rock, locally coarser grained in pillow selvages. Lower contact is broken/faulted.</p> <p>&lt;&lt; Min: 304.5 - 319.5: pyrite 0.5% FG Disseminated &gt;&gt; py locally coarse in CVs</p> <p>&lt;&lt; Alt: 304.5 - 319.5: CaCarb moderate to strong Pervasive / tal moderate Pervasive / chl weak to moderate Pervasive / mag moderate to strong Pervasive &gt;&gt;</p> <p>&lt;&lt; Vein: 304.5 - 319.5: CVs 4% VFG Irregular/Blebby massive &gt;&gt;</p> |               |                                          |           |        |        |          |         |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                          |           | 305.00 | 305.50 | 0.50     | B280004 | -0.01  | -0.5   | 0.0097 | 0.0004 | 0.0106 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                          |           | 305.50 | 306.00 | 0.50     | B280005 | -0.01  | -0.5   | 0.005  | 0.0018 | 0.0039 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                          |           | 306.00 | 307.50 | 1.50     | B280006 | -0.01  | 1.4    | 0.0044 | 0.0005 | 0.0068 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                          |           | 307.50 | 309.00 | 1.50     | B280007 | -0.01  | 42.9   | 0.0059 | 0.0006 | 0.0071 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                          |           | 309.00 | 310.50 | 1.50     | B280008 | -0.01  | -0.5   | 0.0065 | 0.0003 | 0.0052 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                          |           | 310.50 | 312.00 | 1.50     | B280009 | -0.01  | -0.5   | 0.0029 | 0.0008 | 0.0067 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                          |           | 312.00 | 313.50 | 1.50     | B280011 | 0.01   | -0.5   | 0.0054 | 0.0009 | 0.006  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                          |           | 313.50 | 315.00 | 1.50     | B280012 | -0.01  | -0.5   | 0.0049 | 0.0006 | 0.0063 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                          |           | 315.00 | 316.50 | 1.50     | B280013 | -0.01  | -0.5   | 0.0028 | 0.0005 | 0.0062 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                          |           | 316.50 | 317.50 | 1.00     | B280014 | -0.01  | -0.5   | 0.0059 | 0.0004 | 0.0054 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                          |           | 317.50 | 318.00 | 0.50     | B280015 | -0.01  | -0.5   | 0.0057 | 0.0008 | 0.0054 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                          |           | 318.00 | 319.50 | 1.50     | B280016 | -0.01  | -0.5   | 0.0064 | 0.0007 | 0.007  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                          |           | 319.50 | 320.40 | 0.90     | B280017 | -0.01  | -0.5   | 0.007  | 0.0005 | 0.0066 |
| <b>319.50</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>320.40</b> | <b>Fault GG (carb) ((py))</b>            | <b>7</b>  |        |        |          |         |        |        |        |        |        |
| <p>Dark green to dark gray, chloritic, calcareous, gouge-rich fault cutting through komatiite. Rock is broken into gravelly pieces with sandy to muddy gouge. Gouge is chloritic and limy. The fault contains very fine-grained pyrite disseminated in broken pieces and throughout gouge. Weak-moderate patchy magnetism. Lower contact is marked by a change back into more competent rock.</p> <p>&lt;&lt; Min: 319.5 - 320.4: pyrite 0.5% VFG Disseminated &gt;&gt;</p> <p>&lt;&lt; Alt: 319.5 - 320.4: chl moderate Pervasive / CaCarb moderate Pervasive / mag weak to moderate Patchy &gt;&gt;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                                          |           |        |        |          |         |        |        |        |        |        |
| <b>320.40</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>323.30</b> | <b>Kom Msv talc carb chl ((py))</b>      | <b>10</b> |        |        |          |         |        |        |        |        |        |
| <p>Same as komatiite logged above previous fault unit, but not as broken up and faulted. Lower contact is sheared/foliated.</p> <p>&lt;&lt; Min: 320.4 - 323.3: pyrite 0.5% FG Disseminated &gt;&gt;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                          |           |        |        |          |         |        |        |        |        |        |

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| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | To (m)        | Rock Type & Description                    | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|------------|
| << Alt: 320.4 - 323.3: CaCarb moderate to strong Pervasive / tal moderate Pervasive / chl weak to moderate Pervasive / mag moderate to strong Pervasive >><br><< Vein: 320.4 - 323.3: CVs 3% VFG Irregular/Blebby massive >>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                                            |          |        |        |          |        |        |        |        |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 320.40        |                                            | 321.90   | 1.50   |        | B280018  | -0.01  | -0.5   | 0.0034 | 0.0009 | 0.0068     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 321.90        |                                            | 323.30   | 1.40   |        | B280019  | -0.01  | -0.5   | 0.0066 | 0.0012 | 0.0065     |
| <b>323.30</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>323.70</b> | <b>Shear fol carb chl ((py))</b>           |          |        |        |          |        |        |        |        | <b>8</b>   |
| Dark green, intensely foliated shear zone. Rock is chloritic, talcose, and carb-altered. Weak-moderate patchy magnetism. Interval contains sheared CaCarb and MnCarb(?) veins. There are trace amounts of very fine-grained pyrite disseminated in the rock. Lower contact is marked by a transition into less sheared/foliated core.<br><< Min: 323.3 - 323.7: pyrite 0.1% VFG Disseminated >><br><< Alt: 323.3 - 323.7: chl moderate to strong Selective / CaCarb moderate Pervasive / mag weak to moderate Patchy / tal moderate Pervasive / MnCarb weak Selective >><br><< Vein: 323.3 - 323.7: CVs 6% VFG Irregular/Blebby massive >> CaCarb and MnCarb veins                                                                                                      |               |                                            |          |        |        |          |        |        |        |        |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 323.30        |                                            | 323.70   | 0.40   |        | B280021  | -0.01  | -0.5   | 0.0089 | 0.0003 | 0.0064     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 323.70        |                                            | 324.40   | 0.70   |        | B280022  | -0.01  | -0.5   | 0.005  | 0.0003 | 0.0057     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 324.40        |                                            | 325.90   | 1.50   |        | B280023  | -0.01  | -0.5   | 0.004  | 0.0005 | 0.0067     |
| <b>323.70</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>325.90</b> | <b>Kom Msv tal carb chl ((py))</b>         |          |        |        |          |        |        |        |        | <b>10</b>  |
| Same komatiite logged above shear zone, but slightly less carb-altered. There is an isolated rhodochrosite vein at 325.2m. Lower contact is sharp into an intermediate intrusion.<br><< Min: 323.7 - 325.9: pyrite 0.5% FG Disseminated >><br><< Alt: 323.7 - 325.9: tal moderate to strong Pervasive / CaCarb moderate Pervasive / chl weak to moderate Pervasive / mag moderate to strong Pervasive >><br><< Vein: 323.7 - 325.9: CVs 4% VFG Irregular/Blebby massive >>                                                                                                                                                                                                                                                                                              |               |                                            |          |        |        |          |        |        |        |        |            |
| <b>325.90</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>328.50</b> | <b>Int Intrusive ksp py (hem) ((carb))</b> |          |        |        |          |        |        |        |        | <b>125</b> |
| Dark brownish pink, fine- to medium-grained intermediate intrusive (OR possibly a heavily altered lamprophyre??). Unit has undergone k-metasomatism, is weakly albitized, and very weakly carb altered. The rock contains chunky biotite crystals and possibly amphiboles. Mineralization in the lithology consists of fine- to medium-grained disseminated pyrite, fine-grained disseminated magnetite, and minor amounts of specular hematite on fracture surfaces. Mineralized quartz-carb veins crosscut the interval. Magnetism is moderate to strong and patchy. Lower contact is sharp back into komatiite.<br><< Min: 325.9 - 328.5: magnetite 7% FG Disseminated / pyrite 4% FG Disseminated / hematite 1% FG Fracture-coating / molybdenite 0.1% FG Blebby >> |               |                                            |          |        |        |          |        |        |        |        |            |

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| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | To (m)        | Rock Type & Description               | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|------------|
| << Alt: 325.9 - 328.5: ksp moderate to strong Pervasive / sil weak to moderate Pervasive / mag moderate Patchy / alb weak Pervasive / CaCarb weak Pervasive >><br><< Vein: 325.9 - 328.5: QCVMS 2% FG Undulating massive / CVs 1% VFG Irregular/Blebby massive >>                                                                                                                                                                                                                                                                                                                                |               |                                       |          |        |        |          |        |        |        |        |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 325.90        |                                       | 326.70   | 0.80   |        | B280024  | -0.01  | -0.5   | 0.0053 | 0.0042 | 0.0085     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 326.70        |                                       | 327.00   | 0.30   |        | B280025  | -0.01  | -0.5   | 0.0025 | 0.0028 | 0.0056     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 327.00        |                                       | 327.50   | 0.50   |        | B280026  | -0.01  | 0.5    | 0.004  | 0.0029 | 0.0036     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 327.50        |                                       | 328.00   | 0.50   |        | B280027  | -0.01  | -0.5   | 0.0021 | 0.0024 | 0.0033     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 328.00        |                                       | 328.50   | 0.50   |        | B280028  | 0.01   | 0.9    | 0.0024 | 0.0014 | 0.0043     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 328.50        |                                       | 329.10   | 0.60   |        | B280029  | -0.01  | -0.5   | 0.0005 | 0.0004 | 0.0127     |
| <b>328.50</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>329.10</b> | <b>Kom Msv talc chl (carb) ((py))</b> |          |        |        |          |        |        |        |        | <b>10</b>  |
| Same komatiite as logged above intermediate intrusion, but less carb-altered. Possibly slightly more chloritic. Lower contact is sharp into an intrusive unit.<br><< Min: 328.5 - 329.1: pyrite 0.5% FG Disseminated >><br><< Alt: 328.5 - 329.1: tal moderate to strong Pervasive / chl moderate Pervasive / mag weak to moderate Pervasive / CaCarb weak to moderate Pervasive >><br><< Vein: 328.5 - 329.1: CVs 3% VFG Irregular/Blebby massive >>                                                                                                                                            |               |                                       |          |        |        |          |        |        |        |        |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 329.10        |                                       | 329.70   | 0.60   |        | B280031  | 0.02   | 0.5    | 0.008  | 0.002  | 0.0025     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 329.70        |                                       | 330.30   | 0.60   |        | B280032  | 0.01   | -0.5   | 0.0094 | 0.0021 | 0.0037     |
| <b>329.10</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>330.30</b> | <b>Int Intrusive ksp alb py (hem)</b> |          |        |        |          |        |        |        |        | <b>125</b> |
| Highly similar to previously logged intermediate intrusive, but coarser-grained and lacks the presence of biotite and/or amphibole phenocrysts. Lower contact is sharp into komatiite.<br><< Min: 329.1 - 330.3: pyrite 3% FG Disseminated / molybdenite 0.5% FG Vein / hematite 0.5% VFG Fracture-coating >> specular hematite<br><< Alt: 329.1 - 330.3: ksp moderate to strong Pervasive / sil weak to moderate Pervasive / mag weak Patchy / alb weak Pervasive / CaCarb weak Pervasive >><br><< Vein: 329.1 - 330.3: QCVMS 2% FG Undulating massive / CVs 1% VFG Irregular/Blebby massive >> |               |                                       |          |        |        |          |        |        |        |        |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 330.30        |                                       | 331.40   |        |        |          |        |        |        |        | <b>10</b>  |
| Same as komatiite logged above previous intrusion, but slightly less chloritic. Lower contact is sharp into an intermediate intrusive.<br><< Min: 330.3 - 331.4: pyrite 0.5% FG Disseminated >><br><< Alt: 330.3 - 331.4: tal moderate to strong Pervasive / chl moderate Pervasive / CaCarb weak Pervasive / mag weak Pervasive >>                                                                                                                                                                                                                                                              |               |                                       |          |        |        |          |        |        |        |        |            |



Hole: GP20-04

| From (m)                                                                                                                                                                                                                                                                             | To (m)        | Rock Type & Description                    | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|------------|
| << Vein: 330.3 - 331.4: CVs 3% VFG Irregular/Blebby massive >>                                                                                                                                                                                                                       |               |                                            |          |        |        |          |        |        |        |        |            |
|                                                                                                                                                                                                                                                                                      |               |                                            | 330.30   | 331.30 | 1.00   | B280034  | 0.02   | -0.5   | 0.0058 | 0.0002 | 0.0087     |
|                                                                                                                                                                                                                                                                                      |               |                                            | 331.30   | 331.90 | 0.60   | B280035  | -0.01  | -0.5   | 0.0025 | 0.0031 | 0.0046     |
| <b>331.40</b>                                                                                                                                                                                                                                                                        | <b>332.60</b> | <b>Int Intrusive ksp py (hem) ((carb))</b> |          |        |        |          |        |        |        |        | <b>125</b> |
| Same as intermediate intrusive logged from 325.9-328.5m. Lower contact is sharp into komatiite.                                                                                                                                                                                      |               |                                            |          |        |        |          |        |        |        |        |            |
| << Min: 331.4 - 332.6: pyrite 2% FG Disseminated / hematite 0.5% FG Fracture-coating / molybdenite 0.1% VFG Vein >> specular hematite                                                                                                                                                |               |                                            |          |        |        |          |        |        |        |        |            |
| << Alt: 331.4 - 332.6: ksp moderate to strong Pervasive / sil weak to moderate Pervasive / mag moderate Patchy / alb weak Pervasive / CaCarb weak Pervasive >>                                                                                                                       |               |                                            |          |        |        |          |        |        |        |        |            |
| << Vein: 331.4 - 332.6: QCVMS 2% FG Undulating massive / CVs 1% VFG Irregular/Blebby massive >>                                                                                                                                                                                      |               |                                            |          |        |        |          |        |        |        |        |            |
|                                                                                                                                                                                                                                                                                      |               |                                            | 331.90   | 332.60 | 0.70   | B280036  | -0.01  | -0.5   | 0.0063 | 0.0041 | 0.0052     |
|                                                                                                                                                                                                                                                                                      |               |                                            | 332.60   | 333.60 | 1.00   | B280037  | -0.01  | -0.5   | 0.0049 | 0.0002 | 0.0085     |
|                                                                                                                                                                                                                                                                                      |               |                                            | 333.60   | 334.80 | 1.20   | B280038  | -0.01  | -0.5   | 0.0065 | 0.0004 | 0.0083     |
| <b>332.60</b>                                                                                                                                                                                                                                                                        | <b>335.80</b> | <b>Kom Msv talc chl (carb) ((py))</b>      |          |        |        |          |        |        |        |        | <b>10</b>  |
| Same komatiite as logged above previous intrusion, but carb alteration is confined to fracture filling vein network. Lower contact is sharp into intermediate intrusion.                                                                                                             |               |                                            |          |        |        |          |        |        |        |        |            |
| << Min: 332.6 - 335.8: pyrite 0.1% VFG Disseminated >>                                                                                                                                                                                                                               |               |                                            |          |        |        |          |        |        |        |        |            |
| << Alt: 332.6 - 335.8: tal moderate to strong Pervasive / chl moderate Pervasive / mag moderate Patchy / ser weak to moderate Pervasive / CaCarb weak Selective >>                                                                                                                   |               |                                            |          |        |        |          |        |        |        |        |            |
| << Vein: 332.6 - 335.8: CVs 3% VFG Irregular/Blebby massive >> CVs locally contain wispy hematite                                                                                                                                                                                    |               |                                            |          |        |        |          |        |        |        |        |            |
| <b>335.80</b>                                                                                                                                                                                                                                                                        | <b>338.80</b> | <b>Int Intrusive ksp py (hem) ((carb))</b> |          |        |        |          |        |        |        |        | <b>125</b> |
| Highly similar to intermediate intrusive logged from 329.1-330.3. Contains fine-grained to medium-grained magnetite disseminated through the entire mass of rock. There is a higher percentage of ksp veins than in previous intrusions. Lower contact is sharp back into komatiite. |               |                                            |          |        |        |          |        |        |        |        |            |
| << Min: 335.8 - 338.8: magnetite 6% FG Disseminated / pyrite 3% FG Disseminated / molybdenite 0.5% VFG Vein / hematite 0.5% FG Fracture-coating >> specular hematite                                                                                                                 |               |                                            |          |        |        |          |        |        |        |        |            |
| << Alt: 335.8 - 338.8: ksp moderate to strong Pervasive / mag moderate to strong Patchy / alb weak Halo / FeCarb weak Pervasive / CaCarb weak Selective >>                                                                                                                           |               |                                            |          |        |        |          |        |        |        |        |            |
| << Vein: 335.8 - 338.8: QCVMS 2% FG Undulating massive / CVs 1% VFG Irregular/Blebby massive / KVs 1% FG Undulating massive >>                                                                                                                                                       |               |                                            |          |        |        |          |        |        |        |        |            |
|                                                                                                                                                                                                                                                                                      |               |                                            | 335.80   | 336.30 | 0.50   | B280041  | -0.01  | -0.5   | 0.0041 | 0.0059 | 0.0047     |

Hole: GP20-04

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | To (m)        | Rock Type & Description                  | From (m) | To (m) | Length | Sample #   | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------------|----------|--------|--------|------------|--------|--------|--------|--------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                          | 336.30   | 337.00 | 0.70   | B280042    | -0.01  | -0.5   | 0.0195 | 0.0057 | 0.0035 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                          | 337.00   | 337.70 | 0.70   | B280043    | -0.01  | -0.5   | 0.0066 | 0.0049 | 0.006  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                          | 337.70   | 338.20 | 0.50   | B280044    | 0.01   | -0.5   | 0.0161 | 0.0039 | 0.0044 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                          | 338.20   | 338.80 | 0.60   | B280045    | -0.01  | -0.5   | 0.0064 | 0.0053 | 0.0031 |
| <b>338.80</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>350.20</b> | <b>Kom Msv tal chl (py) ((carb))</b>     |          |        |        | <b>10</b>  |        |        |        |        |        |
| <p>Same as komatiite interlayered with intermediate intrusives previously logged in this drill hole. Lower contact is sharp into an intermediate intrusion.</p> <p>&lt;&lt; Min: 338.8 - 350.2: pyrite 0.5% FG Disseminated / biotite (primary, not alteration) 0.1% VFG Wispy &gt;&gt;</p> <p>&lt;&lt; Alt: 338.8 - 350.2: chl moderate to strong Pervasive / mag moderate to strong Pervasive / tal moderate Pervasive / ser weak to moderate Pervasive / CaCarb weak Selective &gt;&gt;</p> <p>&lt;&lt; Vein: 338.8 - 350.2: QCVs 4% FG Irregular/Blebby massive &gt;&gt;</p>                                                                                                                                                                                                                                                                                                                        |               |                                          |          |        |        |            |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                          | 338.80   | 339.40 | 0.60   | B280046    | -0.01  | -0.5   | 0.0031 | 0.0013 | 0.0058 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                          | 339.40   | 340.30 | 0.90   | B280047    | -0.01  | -0.5   | 0.0027 | 0.0007 | 0.0062 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                          | 348.80   | 350.20 | 1.40   | B280048    | 0.01   | -0.5   | 0.0036 | 0.0004 | 0.0082 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                          | 350.20   | 351.00 | 0.80   | B280049    | -0.01  | -0.5   | 0.0049 | 0.0034 | 0.0071 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                          | 351.00   | 351.30 | 0.30   | B280051    | -0.01  | -0.5   | 0.0089 | 0.0024 | 0.0047 |
| <b>350.20</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>351.50</b> | <b>Int Intrusive alb carb (ksp) (py)</b> |          |        |        | <b>125</b> |        |        |        |        |        |
| <p>Similar to previously logged intermediate intrusions through komatiite, but albitization and carb-alteration are more intense. The unit still contains fine-grained specular hematite along fractures, and a quartz-carb vein at the bottom of the interval contains blebby molybdenite and chalcopyrite. Lower contact is sharp into ultramafics.</p> <p>&lt;&lt; Min: 350.2 - 351.5: magnetite 5% FG Disseminated / hematite 2% FG Fracture-coating / pyrite 1% FG Blebby / chalcopyrite 0.1% FG Blebby / molybdenite 0.1% FG Blebby &gt;&gt; specular hematite</p> <p>&lt;&lt; Alt: 350.2 - 351.5: alb moderate Pervasive / sil moderate Pervasive / CaCarb weak to moderate Pervasive / ksp weak to moderate Pervasive / mag moderate to strong Patchy &gt;&gt;</p> <p>&lt;&lt; Vein: 350.2 - 351.5: QCVMs 3% FG Undulating / CVs 1% VFG Irregular/Blebby massive &gt;&gt; CVs are frac fill</p> |               |                                          |          |        |        |            |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                          | 351.30   | 351.50 | 0.20   | B280052    | -0.01  | 7.5    | 0.0868 | 0.19   | 0.0061 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                          | 351.50   | 352.50 | 1.00   | B280053    | -0.01  | -0.5   | 0.0039 | 0.0005 | 0.0118 |
| <b>351.50</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>375.10</b> | <b>Kom Msv tal chl (py) ((carb))</b>     |          |        |        | <b>10</b>  |        |        |        |        |        |
| <p>Same as komatiite logged above previous intermediate intrusion. An isolated rhodochrosite vein cuts the interval at 369.4m. Several intermediate dykes intersect the unit. Lower contact is sharp into intermediate intrusive.</p> <p>&lt;&lt; Min: 351.5 - 375.1: pyrite 0.5% FG Disseminated &gt;&gt;</p> <p>&lt;&lt; Alt: 351.5 - 375.1: chl moderate to strong Pervasive / mag moderate to strong Pervasive / tal moderate Pervasive / ser weak to moderate Pervasive / CaCarb weak Selective &gt;&gt;</p>                                                                                                                                                                                                                                                                                                                                                                                       |               |                                          |          |        |        |            |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                          | 356.10   | 356.90 | 0.80   | B280054    | -0.01  | -0.5   | 0.0043 | 0.0005 | 0.0055 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                          | 356.90   | 357.20 | 0.30   | B280055    | -0.01  | -0.5   | 0.0047 | 0.0057 | 0.0046 |

Hole: GP20-04

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                     | To (m)        | Rock Type & Description                  | From (m)   | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct  | Zn pct |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------------|------------|--------|--------|----------|--------|--------|--------|---------|--------|
| << Vein: 351.5 - 375.1: QCVs 4% FG Irregular/Blebby massive >>                                                                                                                                                                                                                                                                                                                                               |               |                                          | 357.20     | 357.50 | 0.30   | B280056  | -0.01  | -0.5   | 0.0023 | 0.0006  | 0.0065 |
|                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                          | 362.90     | 363.60 | 0.70   | B280057  | -0.01  | -0.5   | 0.01   | 0.0008  | 0.0084 |
|                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                          | 364.30     | 364.90 | 0.60   | B280058  | -0.01  | -0.5   | 0.0067 | 0.0007  | 0.0077 |
|                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                          | 364.90     | 365.40 | 0.50   | B280059  | -0.01  | -0.5   | 0.0077 | 0.0037  | 0.0062 |
|                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                          | 365.40     | 366.00 | 0.60   | B280061  | -0.01  | -0.5   | 0.0039 | 0.0004  | 0.0093 |
|                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                          | 370.40     | 371.30 | 0.90   | B280062  | -0.01  | -0.5   | 0.0076 | 0.0003  | 0.0069 |
|                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                          | 371.30     | 372.20 | 0.90   | B280063  | -0.01  | -0.5   | 0.0093 | 0.0033  | 0.0103 |
|                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                          | 372.20     | 373.00 | 0.80   | B280064  | -0.01  | -0.5   | 0.0052 | -0.0002 | 0.007  |
|                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                          | 374.70     | 375.10 | 0.40   | B280065  | -0.01  | -0.5   | 0.0044 | 0.0004  | 0.0062 |
|                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                          | 375.10     | 376.00 | 0.90   | B280067  | -0.01  | -0.5   | 0.0029 | 0.0029  | 0.0094 |
|                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                          | 376.00     | 377.00 | 1.00   | B280068  | -0.01  | -0.5   | 0.0035 | 0.0032  | 0.0066 |
| <b>375.10</b>                                                                                                                                                                                                                                                                                                                                                                                                | <b>377.00</b> | <b>Int Intrusive alb carb (sil) (py)</b> |            |        |        |          |        |        |        |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                          | <b>125</b> |        |        |          |        |        |        |         |        |
| Same as previous intermediate intrusion, with less intense k-metasomatism. There are more xenoliths than other intrusions. Lower contact is sharp back into komatiite.                                                                                                                                                                                                                                       |               |                                          |            |        |        |          |        |        |        |         |        |
| << Min: 375.1 - 377: magnetite 5% FG Disseminated / pyrite 1% FG Disseminated / hematite 0.5% VFG Fracture-coating >> specular hematite                                                                                                                                                                                                                                                                      |               |                                          |            |        |        |          |        |        |        |         |        |
| << Alt: 375.1 - 377: alb moderate Pervasive / CaCarb moderate Patchy / mag moderate to strong Patchy / sil weak to moderate Pervasive / ksp weak Halo >>                                                                                                                                                                                                                                                     |               |                                          |            |        |        |          |        |        |        |         |        |
| << Vein: 375.1 - 377: CVs 1% VFG Irregular/Blebby massive / QCVMs 0.5% FG Undulating zoned/multistage (no others, describe in comments) >>                                                                                                                                                                                                                                                                   |               |                                          |            |        |        |          |        |        |        |         |        |
| <b>377.00</b>                                                                                                                                                                                                                                                                                                                                                                                                | <b>383.40</b> | <b>Kom Msv tal chl (py) ((carb))</b>     |            |        |        |          |        |        |        |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                          | <b>10</b>  |        |        |          |        |        |        |         |        |
| Same komatiite as logged above previous intrusive unit. Lower contact is sharp.                                                                                                                                                                                                                                                                                                                              |               |                                          |            |        |        |          |        |        |        |         |        |
| << Min: 377 - 383.4: pyrite 0.5% FG Disseminated >>                                                                                                                                                                                                                                                                                                                                                          |               |                                          |            |        |        |          |        |        |        |         |        |
| << Alt: 377 - 383.4: chl moderate to strong Pervasive / mag moderate to strong Pervasive / tal moderate Pervasive / ser weak to moderate Pervasive / CaCarb weak Selective >>                                                                                                                                                                                                                                |               |                                          |            |        |        |          |        |        |        |         |        |
| << Vein: 377 - 383.4: QCVs 4% FG Irregular/Blebby massive >>                                                                                                                                                                                                                                                                                                                                                 |               |                                          |            |        |        |          |        |        |        |         |        |
| <b>383.40</b>                                                                                                                                                                                                                                                                                                                                                                                                | <b>387.70</b> | <b>Gabbro sil alb (chl) ((py))</b>       |            |        |        |          |        |        |        |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                          | <b>101</b> |        |        |          |        |        |        |         |        |
| Dark gray, weakly carb-altered, silicified gabbro. Plag crystals have been silicified and lightly chloritized. Fracture surfaces are rusty. Patchy moderate magnetism. Unit is crosscut by fracture-filling FeCarb veins. Mineralized quartz-carb veins also intersect the lithology. Rusty fractures also contain very fine-grained specular hematite. Lower contact is sharp and irregular into komatiite. |               |                                          |            |        |        |          |        |        |        |         |        |

Hole: GP20-04

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | To (m)        | Rock Type & Description              | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| << Min: 383.4 - 387.7: pyrite 0.5% VFG Disseminated / hematite 0.5% FG Fracture-coating >><br><< Alt: 383.4 - 387.7: mag moderate Patchy / sil moderate Pervasive / alb weak to moderate Pervasive / FeCarb weak Selective / CaCarb weak Patchy / chl weak Selective >><br><< Vein: 383.4 - 387.7: CVs 1% FG Irregular/Blebbly massive / QCVMs 0.5% FG Undulating massive >>                                                                                              |               |                                      |          |        |        |          |        |        |        |        |        |
| <b>387.70</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>388.70</b> | <b>Kom Msv tal chl (py) ((carb))</b> |          |        |        |          |        |        |        |        |        |
| Same komatiite as logged above gabbro. Grains appear to have been coarsened - possibly due to proximity to intrusions. Lower contact is sharp into gabbro.<br><< Min: 387.7 - 388.7: pyrite 0.5% FG Disseminated >><br><< Alt: 387.7 - 388.7: chl moderate to strong Pervasive / mag moderate to strong Pervasive / tal moderate Pervasive / ser weak to moderate Pervasive / CaCarb weak Selective >><br><< Vein: 387.7 - 388.7: QCVs 4% FG Irregular/Blebbly massive >> |               |                                      |          |        |        |          |        |        |        |        |        |
| <b>388.70</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>393.00</b> | <b>Gabbro sil alb (chl) ((py))</b>   | 391.40   | 391.90 | 0.50   | B280071  | -0.01  | -0.5   | 0.0027 | 0.0026 | 0.0083 |
| Same gabbro as logged above previous komatiite unit. Lower contact is EOH.<br><< Min: 388.7 - 393: pyrite 0.5% VFG Disseminated / hematite 0.5% FG Fracture-coating >><br><< Alt: 388.7 - 393: mag moderate Patchy / sil moderate Pervasive / alb weak to moderate Pervasive / FeCarb weak Selective / CaCarb weak Patchy / chl weak Selective >><br><< Vein: 388.7 - 393: CVs 1% FG Irregular/Blebbly massive / QCVMs 0.5% FG Undulating massive >>                      |               |                                      |          |        |        |          |        |        |        |        |        |
| <b>393.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               | <b>EOH</b>                           |          |        |        |          |        |        |        |        |        |

End of Hole @ 393

**Project:** Golden Perimeter

**Hole:** GP20-05

|                             |                  |                     |                |                         |              |                          |                          |
|-----------------------------|------------------|---------------------|----------------|-------------------------|--------------|--------------------------|--------------------------|
| <b>Prospect:</b>            | Golden Perimeter | <b>Survey Type:</b> | Trimble R1     | <b>Logged By:</b>       | Neal Maguire | <b>Hole Type:</b>        | DD                       |
| <b>Datum:</b>               | NAD83            | <b>Survey By:</b>   | Conor McKinley | <b>Date Started:</b>    | 2020-03-17   | <b>Core Size:</b>        | NQ                       |
| <b>Vertical Datum:</b>      |                  | <b>Azimuth:</b>     | 45             | <b>Date Completed:</b>  | 2020-03-19   | <b>Casing Pulled?:</b>   | <input type="checkbox"/> |
| <b>Zone:</b>                | 17N              | <b>Dip:</b>         | -45            | <b>Drill Company:</b>   | Norex        | <b>Casing Depth (m):</b> | 70.2                     |
| <b>UTM East:</b>            | 504518.14949     | <b>Length (m):</b>  | 349.5          | <b>Drill Started:</b>   | 2020-12-03   | <b>H Core Depth (m):</b> |                          |
| <b>UTM North:</b>           | 5349342.7049     | <b>Comments:</b>    |                | <b>Drill Completed:</b> | 2020-03-16   | <b>N Core Depth (m):</b> | 349.5                    |
| <b>UTM Elevation (m):</b>   | 265.3082         |                     |                |                         |              | <b>B Core Depth (m):</b> |                          |
| <b>Local Grid:</b>          |                  |                     |                |                         |              |                          |                          |
| <b>Local East:</b>          |                  |                     |                |                         |              |                          |                          |
| <b>Local North:</b>         |                  |                     |                |                         |              |                          |                          |
| <b>Local Elevation (m):</b> |                  |                     |                |                         |              |                          |                          |

| Depth (m) | Survey Method  | Survey By | Date Surveyed | Dip   | Azimuth | Mag. Field | Accept Values?                      | Comments                                           |
|-----------|----------------|-----------|---------------|-------|---------|------------|-------------------------------------|----------------------------------------------------|
| 0         | Reflex EZ Shot |           |               | -45   | 45      |            | <input checked="" type="checkbox"/> | Dummy survey based on planned dip/azi Neal Maguire |
| 81        | Reflex EZ Shot |           |               | -45.3 | 50.1    | 5573       | <input checked="" type="checkbox"/> | Mag check OK Neal Maguire                          |
| 111       | Reflex EZ Shot |           |               | -45   | 50.7    | 5573       | <input checked="" type="checkbox"/> | Mag check OK Neal Maguire                          |
| 141       | Reflex EZ Shot |           |               | -45.5 | 49.5    | 5683       | <input checked="" type="checkbox"/> | Mag check OK Neal Maguire                          |
| 171       | Reflex EZ Shot |           |               | -45.5 | 48.1    | 5504       | <input checked="" type="checkbox"/> | Mag check OK Neal Maguire                          |
| 201       | Reflex EZ Shot |           |               | -45.4 | 48.4    | 5508       | <input checked="" type="checkbox"/> | Mag check OK Neal Maguire                          |

Hole: GP20-05

| Depth (m) | Survey Method  | Survey By | Date Surveyed | Dip   | Azimuth | Mag. Field | Accept Values?                      | Comments                                                                |
|-----------|----------------|-----------|---------------|-------|---------|------------|-------------------------------------|-------------------------------------------------------------------------|
| 231       | Reflex EZ Shot |           |               | -44.8 | 46.2    | 5483       | <input checked="" type="checkbox"/> | Mag check OK by Neal Maguire                                            |
| 261       | Reflex EZ Shot |           |               | -45.4 | 48      | 5491       | <input checked="" type="checkbox"/> | Mag check OK Neal Maguire                                               |
| 291       | Reflex EZ Shot |           |               | -45.3 | 47.6    | 5476       | <input checked="" type="checkbox"/> | mag intensity = 3, bad survey, took midpoint of surveys above and below |
| 321       | Reflex EZ Shot |           |               | -45.1 | 47.2    | 5526       | <input checked="" type="checkbox"/> | Mag check OK Neal Maguire                                               |
| 349.5     | Reflex EZ Shot |           |               | -45.1 | 47.2    | 5681       | <input checked="" type="checkbox"/> | mag intensity = 4, bad survey, previous azi used Neal Maguire           |

Hole: GP20-05

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|

|             |              |               |          |  |  |  |  |  |  |  |  |
|-------------|--------------|---------------|----------|--|--|--|--|--|--|--|--|
| <b>0.00</b> | <b>70.20</b> | <b>Casing</b> |          |  |  |  |  |  |  |  |  |
|             |              |               | <b>0</b> |  |  |  |  |  |  |  |  |

Drill hole GP20-05 was designed to test a magnetic low in an area limited historic drilling (nearest holes > 200m away). The hole successfully intersected a series of mineralized quartz-calcite veins with banded fine-grained molybdenite and medium-grained subhedral pyrite, with the most prospective one intersected from 75.4-77.2 meters (photo below).

Stratigraphy in the drill hole is dominated by a monzonite pluton with abundant quartz-calcite veining. The monzonite is generally weakly to moderately K-metasomatized with calcite and ankerite. Alteration intensity increases in envelopes around veins and locally strong silica and albite dominate. Trace amounts of very fine-grained (<1mm) pyrite, up to 1-2%, are disseminated throughout the pluton, and concentrations increase in vein alteration halos. Highly prospective mineralized quartz-calcite veins, up to 1.8 meters thick but typically ~10-20cm thick, crosscut the monzonite. These veins contain up to 3% bands of very fine-grained (<1mm) molybdenite, and up to 3% medium-grained subhedral pyrite.

The sequence of interlayered komatiites and monzonite dykes intersected below the main monzonite pluton is prospective due to the rheological contrast between the ultramafic volcanics and the dykes. Monzonitic intrusive in this sequence is highly similar to the main monzonite pluton and contains similar sulfidic quartz-calcite veins. From 294.3-297.9 meters, the monzonite is intensely silicified. Komatiites in this sequence are generally massive, chloritic, and contain trace amounts of very fine-grained disseminated pyrite and molybdenite. Contacts between monzonite and komatiite are locally serpentized.

The hole was terminated at 349.5 meters in massive, talcose komatiite.

|              |              |                                            |            |
|--------------|--------------|--------------------------------------------|------------|
| <b>70.20</b> | <b>75.40</b> | <b>Monz altd alb sil ksp (py) ((carb))</b> | <b>106</b> |
|--------------|--------------|--------------------------------------------|------------|

Light to medium gray altered monzonite. Albite and silica around veins create pseudobreccia texture. Weak-moderate patchy magnetism. Unit is crosscut by mineralized, fracture filling qtz-carb veins. Carb-alteration is patchy and very weak. Fine-grained pyrite is disseminated through the interval and there are also coarser blebs within veins, which may also contain trace amounts of molybdenite. Lower contact is sharp along a vein.

<< Min: 70.2 - 75.4: pyrite 2% FG Disseminated / molybdenite 0.1% FG Vein >>

<< Alt: 70.2 - 75.4: alb moderate Halo / sil moderate Halo / ksp weak to moderate Halo / mag weak to moderate Patchy / CaCarb weak Patchy >>

<< Vein: 70.2 - 75.4: QCVMs 1% FG Planar massive / KVs 0.5% FG Planar massive >>

|       |       |      |         |       |      |        |        |        |
|-------|-------|------|---------|-------|------|--------|--------|--------|
| 70.20 | 70.70 | 0.50 | B280072 | -0.01 | -0.5 | 0.0061 | 0.0031 | 0.0061 |
| 70.70 | 71.20 | 0.50 | B280073 | -0.01 | -0.5 | 0.0071 | 0.0028 | 0.0078 |
| 71.20 | 72.00 | 0.80 | B280074 | 0.01  | 1.4  | 0.0108 | 0.01   | 0.0073 |
| 72.00 | 72.80 | 0.80 | B280075 | -0.01 | -0.5 | 0.0217 | 0.0029 | 0.0076 |
| 72.80 | 73.60 | 0.80 | B280076 | -0.01 | -0.5 | 0.0157 | 0.0031 | 0.0073 |

Hole: GP20-05

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | To (m)        | Rock Type & Description             | From (m) | To (m) | Length | Sample #   | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------------|----------|--------|--------|------------|--------|--------|--------|--------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                     | 73.60    | 74.20  | 0.60   | B280077    | 0.01   | -0.5   | 0.0117 | 0.002  | 0.0054 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                     | 74.20    | 74.60  | 0.40   | B280078    | -0.01  | -0.5   | 0.0111 | 0.0024 | 0.0079 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                     | 74.60    | 75.00  | 0.40   | B280079    | 0.07   | -0.5   | 0.0123 | 0.0021 | 0.0071 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                     | 75.00    | 75.40  | 0.40   | B280081    | 0.07   | -0.5   | 0.0152 | 0.0036 | 0.0061 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                     | 75.40    | 75.90  | 0.50   | B280082    | 0.06   | 1.6    | 0.0017 | 0.0143 | 0.0007 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                     | 75.90    | 76.50  | 0.60   | B280083    | 0.08   | 16.1   | 0.0029 | 0.1675 | 0.0015 |
| <b>75.40</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>77.20</b>  | <b>Vein Qtz-Carb PY MO</b>          |          |        |        | <b>300</b> |        |        |        |        |        |
| <p>Light gray to white, smoky quartz-carb vein with heavy pyrite and molybdenite mineralization. The vein appears to be a fault-fill vein, evidenced by altered monzonite within the mass of the vein, and sulfide banding within the vein oriented subparallel to the margins of the vein. Locally, there are small vugs. Fine-grain bands of molybdenite comprise a significant proportion of the rock volume, along with medium- to coarse-grained pyrite blebs. Lower contact is sharp back into altered monzonite.</p> <p>&lt;&lt; Min: 75.4 - 77.2: molybdenite 4% VFG Banded / pyrite 2% MG Blebby &gt;&gt;</p> <p>&lt;&lt; Alt: 75.4 - 77.2: CaCarb moderate Patchy &gt;&gt;</p>                                                                                                                                                                                                                                                                                                                                                                                             |               |                                     |          |        |        |            |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                     | 76.50    | 77.00  | 0.50   | B280084    | 0.14   | 26     | 0.0019 | 0.272  | 0.0003 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                     | 77.00    | 77.20  | 0.20   | B280085    | 0.01   | -0.5   | 0.0268 | 0.0026 | 0.0042 |
| <b>77.20</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>109.20</b> | <b>Monz altd ksp carb py ((mo))</b> |          |        |        | <b>106</b> |        |        |        |        |        |
| <p>Light to medium reddish pink, medium-grained, altered monzonite. Rock has undergone weak-moderate k-metasomatism. Carb alteration and magnetism are patchy and weak, and there is very weak silicification and albitization locally along veins. The interval is cut by veins that look identical to the previously logged vein unit, but thinner, as well as fracture-filling Qtz carb veins. Mineralization in the interval consists of fine-grained pyrite disseminated, and trace amounts of molybdenite as bands within certain Qtz-carb veins. Small faults crosscut the interval. Lower contact is broken/faulted.</p> <p>&lt;&lt; Min: 77.2 - 109.2: pyrite 1% VFG Disseminated / molybdenite 0.1% VFG Banded &gt;&gt;</p> <p>&lt;&lt; Alt: 77.2 - 109.2: ksp weak to moderate Pervasive / CaCarb weak to moderate Patchy / mag weak to moderate Patchy / sil weak Halo / alb weak Halo / FeCarb weak Selective &gt;&gt;</p> <p>&lt;&lt; Vein: 77.2 - 109.2: QCVMs 1% FG Planar massive / QCVs 1% VFG Irregular/Blebby massive / KV's 0.5% FG Planar massive &gt;&gt;</p> |               |                                     |          |        |        |            |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                     | 77.20    | 77.50  | 0.30   | B280086    | 0.01   | 2.6    | 0.0068 | 0.0363 | 0.0051 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                     | 77.50    | 78.00  | 0.50   | B280087    | -0.01  | -0.5   | 0.0017 | 0.002  | 0.0061 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                     | 78.00    | 78.20  | 0.20   | B280088    | -0.01  | 1.6    | 0.004  | 0.0162 | 0.0059 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                     | 78.20    | 78.40  | 0.20   | B280091    | -0.01  | -0.5   | 0.0076 | 0.0021 | 0.0057 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                     | 78.40    | 78.70  | 0.30   | B280089    | 1.2    | 5.8    | 0.0073 | 0.054  | 0.0035 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                     | 78.70    | 79.20  | 0.50   | B280092    | -0.01  | -0.5   | 0.0127 | 0.0025 | 0.0065 |



Hole: GP20-05

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| 79.20    | 80.20  |                         | 79.20    | 80.20  | 1.00   | B280093  | -0.01  | -0.5   | 0.003  | 0.0021 | 0.0064 |
| 80.20    | 81.00  |                         | 80.20    | 81.00  | 0.80   | B280094  | -0.01  | -0.5   | 0.0028 | 0.002  | 0.0058 |
| 81.00    | 81.70  |                         | 81.00    | 81.70  | 0.70   | B280095  | -0.01  | -0.5   | 0.0018 | 0.0023 | 0.0071 |
| 81.70    | 82.00  |                         | 81.70    | 82.00  | 0.30   | B280096  | 0.01   | -0.5   | 0.0033 | 0.0042 | 0.0049 |
| 82.00    | 82.50  |                         | 82.00    | 82.50  | 0.50   | B280097  | -0.01  | -0.5   | 0.0056 | 0.0021 | 0.0048 |
| 82.50    | 83.70  |                         | 82.50    | 83.70  | 1.20   | B280098  | -0.01  | -0.5   | 0.006  | 0.0016 | 0.0059 |
| 83.70    | 84.00  |                         | 83.70    | 84.00  | 0.30   | B280101  | 0.52   | 0.8    | 0.0037 | 0.0201 | 0.0045 |
| 84.00    | 85.00  |                         | 84.00    | 85.00  | 1.00   | B280102  | 0.01   | -0.5   | 0.0038 | 0.0019 | 0.0054 |
| 85.00    | 85.70  |                         | 85.00    | 85.70  | 0.70   | B280103  | -0.01  | -0.5   | 0.0049 | 0.0022 | 0.0064 |
| 85.70    | 86.70  |                         | 85.70    | 86.70  | 1.00   | B280104  | -0.01  | -0.5   | 0.0084 | 0.0021 | 0.006  |
| 86.70    | 87.00  |                         | 86.70    | 87.00  | 0.30   | B280105  | -0.01  | -0.5   | 0.0025 | 0.003  | 0.0058 |
| 87.00    | 87.30  |                         | 87.00    | 87.30  | 0.30   | B280106  | 0.01   | -0.5   | 0.0023 | 0.0024 | 0.0032 |
| 87.30    | 87.80  |                         | 87.30    | 87.80  | 0.50   | B280107  | 0.01   | 1.3    | 0.0032 | 0.017  | 0.0064 |
| 87.80    | 89.00  |                         | 87.80    | 89.00  | 1.20   | B280108  | -0.01  | -0.5   | 0.003  | 0.0021 | 0.0063 |
| 89.00    | 89.50  |                         | 89.00    | 89.50  | 0.50   | B280109  | -0.01  | -0.5   | 0.0023 | 0.0018 | 0.006  |
| 89.50    | 90.50  |                         | 89.50    | 90.50  | 1.00   | B280111  | -0.01  | -0.5   | 0.003  | 0.0033 | 0.0062 |
| 90.50    | 90.80  |                         | 90.50    | 90.80  | 0.30   | B280112  | -0.01  | -0.5   | 0.0068 | 0.0039 | 0.0057 |
| 90.80    | 92.00  |                         | 90.80    | 92.00  | 1.20   | B280113  | -0.01  | -0.5   | 0.0032 | 0.0035 | 0.0064 |
| 92.00    | 93.00  |                         | 92.00    | 93.00  | 1.00   | B280114  | -0.01  | -0.5   | 0.0024 | 0.0026 | 0.006  |
| 93.00    | 93.50  |                         | 93.00    | 93.50  | 0.50   | B280115  | -0.01  | -0.5   | 0.002  | 0.0028 | 0.006  |
| 93.50    | 93.90  |                         | 93.50    | 93.90  | 0.40   | B280116  | -0.01  | -0.5   | 0.0019 | 0.0016 | 0.0054 |
| 93.90    | 94.40  |                         | 93.90    | 94.40  | 0.50   | B280117  | -0.01  | -0.5   | 0.0021 | 0.0025 | 0.0066 |
| 94.40    | 94.70  |                         | 94.40    | 94.70  | 0.30   | B280118  | 0.42   | -0.5   | 0.0025 | 0.0046 | 0.0054 |
| 94.70    | 95.30  |                         | 94.70    | 95.30  | 0.60   | B280119  | -0.01  | -0.5   | 0.0019 | 0.0022 | 0.0058 |
| 95.30    | 96.00  |                         | 95.30    | 96.00  | 0.70   | B280121  | -0.01  | -0.5   | 0.0042 | 0.0044 | 0.0065 |
| 96.00    | 97.00  |                         | 96.00    | 97.00  | 1.00   | B280122  | -0.01  | -0.5   | 0.0028 | 0.0023 | 0.0066 |
| 97.00    | 98.00  |                         | 97.00    | 98.00  | 1.00   | B280123  | -0.01  | -0.5   | 0.0019 | 0.0024 | 0.0063 |
| 98.00    | 98.60  |                         | 98.00    | 98.60  | 0.60   | B280124  | -0.01  | -0.5   | 0.0027 | 0.0016 | 0.0064 |

Hole: GP20-05

| From (m)      | To (m)        | Rock Type & Description                                                                                                                                                                                                                                                     | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|---------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|               |               |                                                                                                                                                                                                                                                                             | 98.60    | 99.00  | 0.40   | B280125  | -0.01  | -0.5   | 0.002  | 0.0022 | 0.0052 |
|               |               |                                                                                                                                                                                                                                                                             | 99.00    | 99.50  | 0.50   | B280126  | -0.01  | -0.5   | 0.0024 | 0.0021 | 0.0054 |
|               |               |                                                                                                                                                                                                                                                                             | 99.50    | 99.80  | 0.30   | B280127  | -0.01  | -0.5   | 0.0061 | 0.004  | 0.006  |
|               |               |                                                                                                                                                                                                                                                                             | 99.80    | 100.40 | 0.60   | B280128  | -0.01  | -0.5   | 0.0031 | 0.0085 | 0.0061 |
|               |               |                                                                                                                                                                                                                                                                             | 100.40   | 101.20 | 0.80   | B280129  | -0.01  | -0.5   | 0.0033 | 0.0022 | 0.0064 |
|               |               |                                                                                                                                                                                                                                                                             | 101.20   | 102.00 | 0.80   | B280131  | -0.01  | -0.5   | 0.0013 | 0.0042 | 0.0063 |
|               |               |                                                                                                                                                                                                                                                                             | 102.00   | 102.80 | 0.80   | B280132  | -0.01  | 0.8    | 0.0009 | 0.0018 | 0.0054 |
|               |               |                                                                                                                                                                                                                                                                             | 102.80   | 103.30 | 0.50   | B280134  | -0.01  | -0.5   | 0.0039 | 0.0013 | 0.0062 |
|               |               |                                                                                                                                                                                                                                                                             | 103.30   | 104.30 | 1.00   | B280135  | -0.01  | -0.5   | 0.0018 | 0.0017 | 0.0059 |
|               |               |                                                                                                                                                                                                                                                                             | 104.30   | 105.00 | 0.70   | B280136  | -0.01  | -0.5   | 0.0044 | 0.0015 | 0.006  |
|               |               |                                                                                                                                                                                                                                                                             | 105.00   | 106.00 | 1.00   | B280137  | -0.01  | -0.5   | 0.002  | 0.0014 | 0.0054 |
|               |               |                                                                                                                                                                                                                                                                             | 106.00   | 107.00 | 1.00   | B280138  | -0.01  | -0.5   | 0.0013 | 0.0021 | 0.0062 |
|               |               |                                                                                                                                                                                                                                                                             | 107.00   | 108.00 | 1.00   | B280139  | -0.01  | -0.5   | 0.0015 | 0.0023 | 0.0055 |
|               |               |                                                                                                                                                                                                                                                                             | 108.00   | 108.80 | 0.80   | B280141  | -0.01  | -0.5   | 0.0019 | 0.0019 | 0.0063 |
|               |               |                                                                                                                                                                                                                                                                             | 108.80   | 109.20 | 0.40   | B280142  | -0.01  | -0.5   | 0.0053 | 0.0012 | 0.0063 |
| <b>109.20</b> | <b>114.00</b> | <b>Fault gg (carb)</b>                                                                                                                                                                                                                                                      |          |        |        |          |        |        |        |        |        |
|               |               |                                                                                                                                                                                                                                                                             |          |        |        | <b>7</b> |        |        |        |        |        |
|               |               | Gougey, broken fault cutting through altered monzonite. Gouge is muddy to sandy, dark colored, and calcareous. Pieces of broken core are composed of altered monzonite, and contain disseminated pyrite. Lower contact is marked by a change back into more competent core. |          |        |        |          |        |        |        |        |        |
|               |               | << Min: 109.2 - 114: pyrite 0.5% VFG Disseminated >>                                                                                                                                                                                                                        |          |        |        |          |        |        |        |        |        |
|               |               | << Alt: 109.2 - 114: ksp weak to moderate Pervasive / CaCarb weak to moderate Pervasive / mag weak to moderate Patchy / sil weak Halo / alb weak Halo / FeCarb weak Selective >>                                                                                            |          |        |        |          |        |        |        |        |        |
|               |               |                                                                                                                                                                                                                                                                             | 109.20   | 109.70 | 0.50   | B280143  | -0.01  | -0.5   | 0.0034 | 0.0012 | 0.0054 |
|               |               |                                                                                                                                                                                                                                                                             | 109.70   | 110.50 | 0.80   | B280144  | -0.01  | -0.5   | 0.004  | 0.0013 | 0.0058 |
|               |               |                                                                                                                                                                                                                                                                             | 110.50   | 111.00 | 0.50   | B280145  | -0.01  | -0.5   | 0.003  | 0.0012 | 0.0051 |
|               |               |                                                                                                                                                                                                                                                                             | 111.00   | 112.50 | 1.50   | B280146  | -0.01  | -0.5   | 0.0024 | 0.0008 | 0.006  |
|               |               |                                                                                                                                                                                                                                                                             | 112.50   | 114.00 | 1.50   | B280147  | -0.01  | -0.5   | 0.0027 | 0.0008 | 0.0056 |

Hole: GP20-05

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | To (m)        | Rock Type & Description                    | From (m)   | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------|------------|--------|--------|----------|--------|--------|--------|--------|--------|
| <b>114.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>126.10</b> | <b>Monz altd carb sil ksp (py) ((alb))</b> |            |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                            | <b>106</b> |        |        |          |        |        |        |        |        |
| <p>Similar to monzonite logged above previous fault unit, but contains more intense carb-alteration, and silicification. Unit is crosscut by mineralized quartz-carb veins similar to the prospective vein intersected at the top of this hole. The lithology contains ultramafic xenoliths up to several centimeters in diameter. There are also fracture-filling Qtz-carb veins. Mineralization in the unit consists of fine-grained disseminated pyrite and trace amounts of molybdenite in mineralized veins. Small faults crosscut the interval. Lower contact is gradational into a feldspar pyric phase.</p> <p>&lt;&lt; Min: 114 - 126.1: pyrite 1% VFG Disseminated / molybdenite 0.1% VFG Banded &gt;&gt;</p> <p>&lt;&lt; Alt: 114 - 126.1: CaCarb moderate to strong Pervasive / sil moderate Halo / ksp moderate Pervasive / mag weak to moderate Patchy / alb weak Halo / FeCarb weak Selective &gt;&gt;</p> <p>&lt;&lt; Vein: 114 - 126.1: QCVs 1% FG Planar massive / QCVs 1% VFG Irregular/Blebbly massive &gt;&gt;</p> |               |                                            |            |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                            | 114.00     | 115.00 | 1.00   | B280148  | -0.01  | -0.5   | 0.004  | 0.0009 | 0.0057 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                            | 115.00     | 115.80 | 0.80   | B280149  | 0.01   | -0.5   | 0.0048 | 0.0008 | 0.006  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                            | 115.80     | 116.70 | 0.90   | B280151  | -0.01  | -0.5   | 0.005  | 0.0016 | 0.0069 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                            | 116.70     | 117.00 | 0.30   | B280152  | -0.01  | -0.5   | 0.0014 | 0.001  | 0.0068 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                            | 117.00     | 117.70 | 0.70   | B280153  | -0.01  | -0.5   | 0.0014 | 0.0019 | 0.0083 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                            | 117.70     | 118.70 | 1.00   | B280154  | -0.01  | -0.5   | 0.0013 | 0.0019 | 0.0062 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                            | 118.70     | 119.50 | 0.80   | B280155  | -0.01  | -0.5   | 0.0051 | 0.0027 | 0.0077 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                            | 119.50     | 120.00 | 0.50   | B280156  | -0.01  | -0.5   | 0.0026 | 0.0015 | 0.0073 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                            | 120.00     | 121.20 | 1.20   | B280157  | -0.01  | -0.5   | 0.0018 | 0.0015 | 0.0072 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                            | 121.20     | 121.70 | 0.50   | B280158  | -0.01  | -0.5   | 0.0036 | 0.001  | 0.0078 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                            | 121.70     | 122.50 | 0.80   | B280159  | -0.01  | -0.5   | 0.0074 | 0.0014 | 0.0078 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                            | 122.50     | 122.70 | 0.20   | B280161  | -0.01  | -0.5   | 0.0165 | 0.0015 | 0.0067 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                            | 122.70     | 123.40 | 0.70   | B280162  | -0.01  | -0.5   | 0.0041 | 0.0016 | 0.0065 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                            | 123.40     | 123.80 | 0.40   | B280163  | -0.01  | -0.5   | 0.002  | 0.0015 | 0.0065 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                            | 123.80     | 124.90 | 1.10   | B280164  | -0.01  | 0.9    | 0.0035 | 0.0106 | 0.0077 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                            | 124.90     | 125.10 | 0.20   | B280166  | -0.01  | -0.5   | 0.0054 | 0.0016 | 0.0072 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                            | 125.10     | 125.40 | 0.30   | B280167  | -0.01  | -0.5   | 0.0045 | 0.0016 | 0.0065 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                            | 125.40     | 125.80 | 0.40   | B280168  | 0.02   | 1.1    | 0.0052 | 0.0039 | 0.002  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                            | 125.80     | 126.00 | 0.20   | B280169  | -0.01  | -0.5   | 0.017  | 0.001  | 0.0083 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                            | 126.00     | 126.60 | 0.60   | B280171  | -0.01  | -0.5   | 0.0036 | 0.0027 | 0.0093 |

Hole: GP20-05

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|

**126.10 136.00 FP carb chl (py) 110**

Dark gray, porphyritic monzonite(?). Phenocrysts have ragged edges and the groundmass is pervasively weakly to moderately carb altered. Chlorite has replaced smaller crystals of amphibole(?) in the groundmass. Very weak patchy magnetism. The unit is crosscut by fracture-filling quartz-carb and/or ksp veinlets and sparse mineralized prospective Qtz-carb veins. Mineralization in the unit consists of fine-grained disseminated pyrite and trace amounts of molybdenite and chalcopyrite in prospective veins. Lower contact is broken into more equigranular monzonite.

<< Min: 126.1 - 136: pyrite 1% VFG Disseminated / molybdenite 0.1% VFG Wispy / chalcopyrite 0.1% FG Blebby >>

<< Alt: 126.1 - 136: CaCarb weak to moderate Pervasive / chl weak Selective / mag weak Selective / ksp weak Selective >>

<< Vein: 126.1 - 136: QCVs 1% VFG Irregular/Blebby massive / KVs 0.5% FG Irregular/Blebby massive / QCVMs 0.5% FG Undulating massive >>

|        |        |      |         |       |      |        |        |        |
|--------|--------|------|---------|-------|------|--------|--------|--------|
| 126.60 | 126.90 | 0.30 | B280172 | -0.01 | -0.5 | 0.0033 | 0.0023 | 0.011  |
| 126.90 | 127.90 | 1.00 | B280173 | 0.01  | -0.5 | 0.0021 | 0.0021 | 0.0084 |
| 127.90 | 129.00 | 1.10 | B280174 | 0.01  | -0.5 | 0.0008 | 0.0016 | 0.0078 |
| 129.00 | 130.00 | 1.00 | B280175 | -0.01 | -0.5 | 0.0008 | 0.001  | 0.0082 |
| 130.00 | 131.00 | 1.00 | B280176 | -0.01 | -0.5 | 0.0025 | 0.0021 | 0.0077 |
| 131.00 | 132.00 | 1.00 | B280177 | -0.01 | -0.5 | 0.0018 | 0.0018 | 0.0075 |
| 132.00 | 132.90 | 0.90 | B280178 | -0.01 | -0.5 | 0.0012 | 0.0018 | 0.0075 |
| 132.90 | 133.20 | 0.30 | B280179 | -0.01 | -0.5 | 0.0014 | 0.0021 | 0.0075 |
| 133.20 | 133.80 | 0.60 | B280181 | -0.01 | -0.5 | 0.0021 | 0.0023 | 0.0078 |
| 133.80 | 134.10 | 0.30 | B280182 | 0.01  | -0.5 | 0.0145 | 0.002  | 0.0072 |
| 134.10 | 135.00 | 0.90 | B280183 | -0.01 | -0.5 | 0.0014 | 0.0021 | 0.0074 |
| 135.00 | 135.70 | 0.70 | B280184 | -0.01 | 0.7  | 0.0024 | 0.0036 | 0.0073 |
| 135.70 | 136.00 | 0.30 | B280185 | 0.03  | 2.1  | 0.0012 | 0.0075 | 0.0032 |
| 136.00 | 136.50 | 0.50 | B280186 | -0.01 | -0.5 | 0.0007 | 0.0008 | 0.0061 |

**136.00 188.80 Monz (altd) carb py ksp ((alb)) 106**

Similar to other monzonites logged in this hole. Light pink to pinkish gray, medium-grained monzonite. Rock has undergone weak to moderate k-metasomatism, and carb alteration is pervasive and stronger in alteration halos around veins. Weak patchy magnetism. Vein halos are locally siliceous and albitized. The lithology is crosscut by mineralized prospective quartz-carb veins and fracture filling Qtz-carb veinlets. Mineralization in the interval consists of fine-grained disseminated pyrite, and wispy molybdenite and trace blebs of chalcopyrite in Qtz-carb veins. The unit is crosscut by small faults and intermediate dykes. Lower contact is sharp along a vein.

Hole: GP20-05

| From (m)                                                                                                                                                            | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| << Min: 136 - 188.8: pyrite 2% FG Disseminated / molybdenite 0.1% FG Wispy / chalcopyrite 0.1% FG Blebby >>                                                         |        |                         | 136.50   | 136.80 | 0.30   | B280187  | -0.01  | -0.5   | 0.0028 | 0.0013 | 0.0062 |
| << Alt: 136 - 188.8: CaCarb weak to moderate Pervasive / ksp weak to moderate Halo / sil moderate Halo / mag weak Patchy / alb weak Halo / FeCarb weak Selective >> |        |                         | 136.80   | 137.10 | 0.30   | B280188  | -0.01  | -0.5   | 0.0023 | 0.0035 | 0.0061 |
| << Vein: 136 - 188.8: QCVs 2% FG Irregular/Blebby massive / QCVMs 1% FG Undulating massive >>                                                                       |        |                         | 137.10   | 137.40 | 0.30   | B280189  | -0.01  | -0.5   | 0.0091 | 0.0027 | 0.0058 |
|                                                                                                                                                                     |        |                         | 137.40   | 138.00 | 0.60   | B280191  | -0.01  | -0.5   | 0.0008 | 0.0021 | 0.0059 |
|                                                                                                                                                                     |        |                         | 138.00   | 139.00 | 1.00   | B280192  | -0.01  | -0.5   | 0.0014 | 0.0025 | 0.0059 |
|                                                                                                                                                                     |        |                         | 139.00   | 139.90 | 0.90   | B280193  | 0.04   | 0.6    | 0.0076 | 0.0098 | 0.0053 |
|                                                                                                                                                                     |        |                         | 139.90   | 140.10 | 0.20   | B280194  | -0.01  | -0.5   | 0.0083 | 0.0017 | 0.0049 |
|                                                                                                                                                                     |        |                         | 140.10   | 141.00 | 0.90   | B280195  | -0.01  | -0.5   | 0.0046 | 0.002  | 0.0058 |
|                                                                                                                                                                     |        |                         | 141.00   | 142.00 | 1.00   | B280196  | -0.01  | -0.5   | 0.0013 | 0.0025 | 0.0061 |
|                                                                                                                                                                     |        |                         | 142.00   | 143.00 | 1.00   | B280197  | -0.01  | -0.5   | 0.0004 | 0.0021 | 0.006  |
|                                                                                                                                                                     |        |                         | 143.00   | 144.00 | 1.00   | B280198  | -0.01  | -0.5   | 0.0013 | 0.0022 | 0.0063 |
|                                                                                                                                                                     |        |                         | 144.00   | 145.00 | 1.00   | B280201  | -0.01  | -0.5   | 0.0022 | 0.0027 | 0.0062 |
|                                                                                                                                                                     |        |                         | 145.00   | 145.80 | 0.80   | B280202  | -0.01  | -0.5   | 0.0058 | 0.003  | 0.0074 |
|                                                                                                                                                                     |        |                         | 145.80   | 146.40 | 0.60   | B280203  | -0.01  | -0.5   | 0.003  | 0.0025 | 0.0057 |
|                                                                                                                                                                     |        |                         | 146.40   | 147.00 | 0.60   | B280204  | -0.01  | -0.5   | 0.0006 | 0.0031 | 0.006  |
|                                                                                                                                                                     |        |                         | 147.00   | 148.00 | 1.00   | B280205  | -0.01  | -0.5   | 0.0023 | 0.003  | 0.0062 |
|                                                                                                                                                                     |        |                         | 148.00   | 149.00 | 1.00   | B280206  | -0.01  | -0.5   | 0.0022 | 0.0034 | 0.006  |
|                                                                                                                                                                     |        |                         | 149.00   | 150.00 | 1.00   | B280207  | -0.01  | -0.5   | 0.0014 | 0.0022 | 0.0063 |
|                                                                                                                                                                     |        |                         | 150.00   | 151.00 | 1.00   | B280208  | -0.01  | -0.5   | 0.006  | 0.0018 | 0.0065 |
|                                                                                                                                                                     |        |                         | 151.00   | 151.70 | 0.70   | B280209  | -0.01  | -0.5   | 0.0007 | 0.0029 | 0.0061 |
|                                                                                                                                                                     |        |                         | 151.70   | 152.00 | 0.30   | B280211  | 0.01   | -0.5   | 0.0098 | 0.0022 | 0.0068 |
|                                                                                                                                                                     |        |                         | 152.00   | 153.00 | 1.00   | B280212  | -0.01  | -0.5   | 0.0014 | 0.0025 | 0.0066 |
|                                                                                                                                                                     |        |                         | 153.00   | 154.00 | 1.00   | B280213  | -0.01  | -0.5   | 0.0016 | 0.0022 | 0.0064 |
|                                                                                                                                                                     |        |                         | 154.00   | 155.00 | 1.00   | B280214  | -0.01  | -0.5   | 0.0009 | 0.0023 | 0.0065 |
|                                                                                                                                                                     |        |                         | 155.00   | 156.00 | 1.00   | B280215  | -0.01  | -0.5   | 0.0022 | 0.0023 | 0.0064 |
|                                                                                                                                                                     |        |                         | 156.00   | 157.00 | 1.00   | B280216  | -0.01  | -0.5   | 0.0033 | 0.0018 | 0.0066 |
|                                                                                                                                                                     |        |                         | 157.00   | 158.00 | 1.00   | B280217  | -0.01  | -0.5   | 0.0032 | 0.0018 | 0.0066 |

Hole: GP20-05

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|          |        |                         | 158.00   | 159.00 | 1.00   | B280218  | -0.01  | -0.5   | 0.003  | 0.0022 | 0.0062 |
|          |        |                         | 159.00   | 160.00 | 1.00   | B280219  | -0.01  | -0.5   | 0.0013 | 0.0021 | 0.0061 |
|          |        |                         | 160.00   | 160.60 | 0.60   | B280221  | -0.01  | -0.5   | 0.0006 | 0.0027 | 0.0063 |
|          |        |                         | 160.60   | 161.00 | 0.40   | B280222  | -0.01  | -0.5   | 0.0022 | 0.0027 | 0.0066 |
|          |        |                         | 161.00   | 161.40 | 0.40   | B280223  | -0.01  | -0.5   | 0.0024 | 0.0072 | 0.0061 |
|          |        |                         | 161.40   | 162.20 | 0.80   | B280224  | -0.01  | -0.5   | 0.0007 | 0.0025 | 0.0059 |
|          |        |                         | 162.20   | 162.60 | 0.40   | B280225  | -0.01  | -0.5   | 0.0032 | 0.0026 | 0.0061 |
|          |        |                         | 162.60   | 163.00 | 0.40   | B280226  | -0.01  | -0.5   | 0.0036 | 0.0062 | 0.0058 |
|          |        |                         | 163.00   | 163.40 | 0.40   | B280227  | -0.01  | -0.5   | 0.0006 | 0.0017 | 0.0059 |
|          |        |                         | 163.40   | 163.70 | 0.30   | B280228  | -0.01  | -0.5   | 0.0036 | 0.0017 | 0.0059 |
|          |        |                         | 163.70   | 164.20 | 0.50   | B280229  | -0.01  | -0.5   | 0.0008 | 0.0019 | 0.0061 |
|          |        |                         | 164.20   | 164.40 | 0.20   | B280231  | 0.05   | 3.9    | 0.0015 | 0.0469 | 0.0025 |
|          |        |                         | 164.40   | 165.40 | 1.00   | B280232  | -0.01  | -0.5   | 0.001  | 0.0023 | 0.0062 |
|          |        |                         | 165.40   | 165.90 | 0.50   | B280234  | -0.01  | -0.5   | 0.001  | 0.0034 | 0.0062 |
|          |        |                         | 165.90   | 166.20 | 0.30   | B280235  | -0.01  | -0.5   | 0.0031 | 0.0029 | 0.0064 |
|          |        |                         | 166.20   | 166.80 | 0.60   | B280236  | -0.01  | -0.5   | 0.001  | 0.0028 | 0.006  |
|          |        |                         | 166.80   | 167.20 | 0.40   | B280237  | -0.01  | 1.8    | 0.0016 | 0.0221 | 0.0057 |
|          |        |                         | 167.20   | 167.60 | 0.40   | B280238  | -0.01  | 0.9    | 0.0023 | 0.0026 | 0.0056 |
|          |        |                         | 167.60   | 168.60 | 1.00   | B280239  | -0.01  | -0.5   | 0.0042 | 0.0027 | 0.0062 |
|          |        |                         | 168.60   | 169.60 | 1.00   | B280241  | 0.01   | -0.5   | 0.0042 | 0.0029 | 0.0063 |
|          |        |                         | 169.60   | 170.60 | 1.00   | B280242  | -0.01  | -0.5   | 0.0081 | 0.0025 | 0.0062 |
|          |        |                         | 170.60   | 171.60 | 1.00   | B280243  | -0.01  | -0.5   | 0.0044 | 0.0026 | 0.0064 |
|          |        |                         | 171.60   | 172.60 | 1.00   | B280244  | -0.01  | -0.5   | 0.0006 | 0.0026 | 0.0062 |
|          |        |                         | 172.60   | 173.60 | 1.00   | B280245  | -0.01  | -0.5   | 0.0037 | 0.0029 | 0.0063 |
|          |        |                         | 173.60   | 174.60 | 1.00   | B280246  | -0.01  | -0.5   | 0.0006 | 0.0027 | 0.0066 |
|          |        |                         | 174.60   | 175.60 | 1.00   | B280247  | -0.01  | -0.5   | 0.0003 | 0.0023 | 0.0062 |
|          |        |                         | 175.60   | 176.60 | 1.00   | B280248  | -0.01  | -0.5   | 0.0016 | 0.0028 | 0.0067 |
|          |        |                         | 176.60   | 177.70 | 1.10   | B280249  | -0.01  | -0.5   | 0.0007 | 0.003  | 0.0061 |

Hole: GP20-05

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|          |        |                         | 177.70   | 178.10 | 0.40   | B280251  | 0.07   | 0.7    | 0.0059 | 0.0092 | 0.0045 |
|          |        |                         | 178.10   | 178.50 | 0.40   | B280252  | 0.04   | -0.5   | 0.0018 | 0.0036 | 0.0064 |
|          |        |                         | 178.50   | 179.50 | 1.00   | B280253  | -0.01  | -0.5   | 0.0006 | 0.0027 | 0.0065 |
|          |        |                         | 179.50   | 180.10 | 0.60   | B280254  | -0.01  | -0.5   | 0.0004 | 0.0026 | 0.0063 |
|          |        |                         | 180.10   | 180.50 | 0.40   | B280255  | -0.01  | -0.5   | 0.0007 | 0.003  | 0.0061 |
|          |        |                         | 180.50   | 181.20 | 0.70   | B280256  | -0.01  | -0.5   | 0.0035 | 0.0024 | 0.0061 |
|          |        |                         | 181.20   | 181.60 | 0.40   | B280257  | 0.4    | -0.5   | 0.0023 | 0.0048 | 0.0045 |
|          |        |                         | 181.60   | 182.30 | 0.70   | B280258  | 0.04   | -0.5   | 0.0014 | 0.0026 | 0.0063 |
|          |        |                         | 182.30   | 183.60 | 1.30   | B280259  | -0.01  | -0.5   | 0.0006 | 0.0029 | 0.0064 |
|          |        |                         | 183.60   | 185.10 | 1.50   | B280261  | -0.01  | -0.5   | 0.0008 | 0.003  | 0.0066 |
|          |        |                         | 185.10   | 186.00 | 0.90   | B280262  | -0.01  | -0.5   | 0.0029 | 0.0028 | 0.0067 |
|          |        |                         | 186.00   | 186.70 | 0.70   | B280263  | -0.01  | -0.5   | 0.0004 | 0.0026 | 0.0065 |
|          |        |                         | 186.70   | 187.40 | 0.70   | B280264  | 0.02   | -0.5   | 0.0152 | 0.0028 | 0.0062 |
|          |        |                         | 187.40   | 187.90 | 0.50   | B280265  | -0.01  | -0.5   | 0.0081 | 0.002  | 0.0062 |
|          |        |                         | 187.90   | 188.80 | 0.90   | B280267  | 0.01   | 0.5    | 0.0086 | 0.0049 | 0.0062 |
|          |        |                         | 188.80   | 189.10 | 0.30   | B280268  | 0.18   | 14.5   | 0.0006 | 0.1105 | 0.0003 |

**188.80 189.10 Vein Qtz-Carb mo (py) 300**

Nearly identical to prospective mineralized quartz-carb vein at the top of the hole. Light gray, smoky quartz-carb, mineralized vein. Looks like a fault filling vein, based on sulfide layering parallel to vein margins. Mineralization consists of bands of molybdenite and blebby pyrite. Lower contact is sharp back into monzonite.

<< Min: 188.8 - 189.1: molybdenite 5% VFG Wispy / pyrite 2% FG Blebby >>

<< Alt: 188.8 - 189.1: CaCarb moderate Patchy >>

**189.10 218.40 Monz (altd) carb py ksp ((alb)) 106**

Same as the monzonite logged above the previous vein unit. Monzonite becomes slightly porphyritic in the meter above the lower contact, which is sharp into a diabase.

<< Min: 189.1 - 218.4: pyrite 2% FG Disseminated / molybdenite 0.1% FG Wispy / chalcopyrite 0.1% FG Blebby >>

<< Alt: 189.1 - 218.4: CaCarb weak to moderate Pervasive / ksp weak to moderate Halo / sil moderate Halo / mag weak Patchy / alb weak Halo / FeCarb weak Selective >>

|        |        |      |         |       |      |        |        |        |
|--------|--------|------|---------|-------|------|--------|--------|--------|
| 189.10 | 189.70 | 0.60 | B280269 | -0.01 | -0.5 | 0.004  | 0.0026 | 0.0062 |
| 189.70 | 190.60 | 0.90 | B280271 | -0.01 | -0.5 | 0.0017 | 0.0026 | 0.006  |
| 190.60 | 192.00 | 1.40 | B280272 | -0.01 | -0.5 | 0.003  | 0.0022 | 0.0059 |
| 192.00 | 192.60 | 0.60 | B280273 | -0.01 | -0.5 | 0.0027 | 0.002  | 0.0061 |

Hole: GP20-05

| From (m)                                                                                        | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|-------------------------------------------------------------------------------------------------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| << Vein: 189.1 - 218.4: QCVs 2% FG Irregular/Blebby massive / QCVMs 1% FG Undulating massive >> |        |                         | 192.60   | 193.20 | 0.60   | B280274  | -0.01  | -0.5   | 0.0043 | 0.0024 | 0.0059 |
|                                                                                                 |        |                         | 193.20   | 193.70 | 0.50   | B280275  | -0.01  | -0.5   | 0.0026 | 0.0024 | 0.0061 |
|                                                                                                 |        |                         | 193.70   | 194.30 | 0.60   | B280276  | -0.01  | -0.5   | 0.0018 | 0.002  | 0.0058 |
|                                                                                                 |        |                         | 194.30   | 195.20 | 0.90   | B280277  | -0.01  | -0.5   | 0.002  | 0.0024 | 0.0062 |
|                                                                                                 |        |                         | 195.20   | 195.50 | 0.30   | B280278  | -0.01  | -0.5   | 0.0017 | 0.0063 | 0.0057 |
|                                                                                                 |        |                         | 195.50   | 196.70 | 1.20   | B280279  | -0.01  | -0.5   | 0.0014 | 0.0021 | 0.0063 |
|                                                                                                 |        |                         | 196.70   | 197.00 | 0.30   | B280291  | 0.25   | 3.8    | 0.0021 | 0.0432 | 0.0051 |
|                                                                                                 |        |                         | 197.00   | 198.00 | 1.00   | B280281  | -0.01  | -0.5   | 0.0031 | 0.0021 | 0.0063 |
|                                                                                                 |        |                         | 198.00   | 199.50 | 1.50   | B280282  | -0.01  | -0.5   | 0.0013 | 0.0021 | 0.0064 |
|                                                                                                 |        |                         | 199.50   | 200.50 | 1.00   | B280283  | 0.01   | -0.5   | 0.0023 | 0.0022 | 0.0066 |
|                                                                                                 |        |                         | 200.50   | 201.00 | 0.50   | B280284  | -0.01  | -0.5   | 0.0013 | 0.0023 | 0.0063 |
|                                                                                                 |        |                         | 201.00   | 202.20 | 1.20   | B280285  | -0.01  | -0.5   | 0.0011 | 0.0061 | 0.0064 |
|                                                                                                 |        |                         | 202.20   | 202.80 | 0.60   | B280286  | -0.01  | 0.6    | 0.0292 | 0.0023 | 0.0073 |
|                                                                                                 |        |                         | 202.80   | 204.00 | 1.20   | B280287  | -0.01  | -0.5   | 0.0009 | 0.0052 | 0.0064 |
|                                                                                                 |        |                         | 204.00   | 205.00 | 1.00   | B280288  | -0.01  | -0.5   | 0.0006 | 0.0021 | 0.0067 |
|                                                                                                 |        |                         | 205.00   | 206.00 | 1.00   | B280289  | 0.01   | -0.5   | 0.0042 | 0.0029 | 0.0064 |
|                                                                                                 |        |                         | 206.00   | 206.40 | 0.40   | B280292  | 0.02   | -0.5   | 0.0026 | 0.003  | 0.0058 |
|                                                                                                 |        |                         | 206.40   | 207.00 | 0.60   | B280293  | -0.01  | -0.5   | 0.0003 | 0.0017 | 0.0067 |
|                                                                                                 |        |                         | 207.00   | 208.00 | 1.00   | B280294  | -0.01  | -0.5   | 0.0013 | 0.0033 | 0.0069 |
|                                                                                                 |        |                         | 208.00   | 209.00 | 1.00   | B280295  | -0.01  | -0.5   | 0.0011 | 0.0029 | 0.0061 |
|                                                                                                 |        |                         | 209.00   | 209.30 | 0.30   | B280296  | 0.03   | -0.5   | 0.0038 | 0.0015 | 0.0152 |
|                                                                                                 |        |                         | 209.30   | 209.60 | 0.30   | B280297  | 0.07   | 0.9    | 0.0036 | 0.0102 | 0.007  |
|                                                                                                 |        |                         | 209.60   | 210.00 | 0.40   | B280298  | 0.01   | 0.7    | 0.0031 | 0.009  | 0.0071 |
|                                                                                                 |        |                         | 210.00   | 210.30 | 0.30   | B280301  | -0.01  | -0.5   | 0.0072 | 0.0027 | 0.0066 |
|                                                                                                 |        |                         | 210.30   | 211.20 | 0.90   | B280302  | -0.01  | -0.5   | 0.002  | 0.0026 | 0.0068 |
|                                                                                                 |        |                         | 211.20   | 212.00 | 0.80   | B280303  | -0.01  | -0.5   | 0.0013 | 0.0024 | 0.007  |
|                                                                                                 |        |                         | 212.00   | 212.40 | 0.40   | B280304  | -0.01  | -0.5   | 0.0037 | 0.004  | 0.0072 |
|                                                                                                 |        |                         | 212.40   | 213.00 | 0.60   | B280305  | -0.01  | -0.5   | 0.0043 | 0.0031 | 0.0067 |



Hole: GP20-05

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|          |        |                         | 213.00   | 213.60 | 0.60   | B280306  | -0.01  | -0.5   | 0.0015 | 0.0024 | 0.0069 |
|          |        |                         | 213.60   | 214.40 | 0.80   | B280307  | -0.01  | -0.5   | 0.0022 | 0.0039 | 0.0067 |
|          |        |                         | 214.40   | 215.00 | 0.60   | B280308  | -0.01  | -0.5   | 0.002  | 0.003  | 0.0068 |
|          |        |                         | 215.00   | 216.00 | 1.00   | B280309  | -0.01  | -0.5   | 0.0007 | 0.0026 | 0.0064 |
|          |        |                         | 216.00   | 217.30 | 1.30   | B280311  | -0.01  | -0.5   | 0.0012 | 0.0029 | 0.0066 |
|          |        |                         | 217.30   | 217.90 | 0.60   | B280312  | -0.01  | -0.5   | 0.0013 | 0.0025 | 0.007  |
|          |        |                         | 217.90   | 218.40 | 0.50   | B280313  | -0.01  | -0.5   | 0.0007 | 0.0022 | 0.0067 |

**218.40 221.30 Diabase dyke carb chl ((py)) 162**

Dark gray, massive diabase dyke cutting through monzonite. Unit is pervasively carb altered, stronger around fractures. Chlorite is pervasive throughout the interval as well. The lithology is crosscut by mineralized quartz-carb veins and a stockwork of fracture-filling carb veinlets. Mineralization in the interval consists of trace amounts of very fine-grained disseminated pyrite, blebs of pyrite in qtz-carb veins, and trace amounts of blebby molybdenite and chalcopyrite, also in veins. Lower contact is sharp back into monzonites.

<< Min: 218.4 - 221.3: pyrite 0.5% VFG Disseminated / chalcopyrite 0.1% FG Blebby / molybdenite 0.1% FG Blebby >>

<< Alt: 218.4 - 221.3: CaCarb moderate Pervasive / chl weak to moderate Pervasive >>

<< Vein: 218.4 - 221.3: QCVMs 1% FG Undulating / CVs 0.5% VFG Irregular/Blebby massive >>

|  |  |  |        |        |      |         |       |      |        |        |        |
|--|--|--|--------|--------|------|---------|-------|------|--------|--------|--------|
|  |  |  | 218.40 | 219.00 | 0.60 | B280314 | -0.01 | -0.5 | 0.0036 | 0.0016 | 0.0102 |
|  |  |  | 219.00 | 219.60 | 0.60 | B280315 | -0.01 | -0.5 | 0.0098 | 0.0026 | 0.0098 |
|  |  |  | 219.60 | 220.10 | 0.50 | B280316 | -0.01 | -0.5 | 0.0017 | 0.0016 | 0.0093 |
|  |  |  | 220.10 | 220.40 | 0.30 | B280317 | -0.01 | -0.5 | 0.0065 | 0.0016 | 0.0096 |
|  |  |  | 220.40 | 221.20 | 0.80 | B280318 | -0.01 | -0.5 | 0.0024 | 0.0026 | 0.0098 |
|  |  |  | 221.20 | 222.00 | 0.80 | B280319 | -0.01 | -0.5 | 0.0014 | 0.0023 | 0.0078 |
|  |  |  | 222.00 | 223.00 | 1.00 | B280321 | -0.01 | -0.5 | 0.0013 | 0.003  | 0.0069 |

**221.30 228.50 Monz (altd) carb py ksp ((alb)) 106**

Same as monzonite logged above previous diabase dyke unit, though xenoliths are locally much larger (10's of cm). Lower contact is sharp into a diabase dyke.

<< Min: 221.3 - 228.5: pyrite 2% FG Disseminated / molybdenite 0.1% FG Wispy / chalcopyrite 0.1% FG Blebby >>

<< Alt: 221.3 - 228.5: CaCarb weak to moderate Pervasive / ksp weak to moderate Halo / sil moderate Halo / mag weak Patchy / alb weak Halo / FeCarb weak Selective >>

<< Vein: 221.3 - 228.5: QCVs 2% FG Irregular/Blebby massive / QCVMs 1% FG Undulating massive >>

|  |  |  |        |        |      |         |       |      |        |        |        |
|--|--|--|--------|--------|------|---------|-------|------|--------|--------|--------|
|  |  |  | 223.00 | 224.00 | 1.00 | B280322 | -0.01 | -0.5 | 0.002  | 0.003  | 0.0079 |
|  |  |  | 224.00 | 225.00 | 1.00 | B280323 | -0.01 | -0.5 | 0.0017 | 0.0023 | 0.0065 |
|  |  |  | 225.00 | 225.60 | 0.60 | B280324 | -0.01 | -0.5 | 0.003  | 0.0028 | 0.0065 |

Hole: GP20-05

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | To (m)        | Rock Type & Description                | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                        | 225.60   | 225.90 | 0.30   | B280325  | 0.03   | 0.7    | 0.0062 | 0.0096 | 0.0058 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                        | 225.90   | 226.50 | 0.60   | B280326  | -0.01  | -0.5   | 0.0021 | 0.0023 | 0.0066 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                        | 226.50   | 227.30 | 0.80   | B280327  | -0.01  | -0.5   | 0.0027 | 0.0026 | 0.0064 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                        | 227.30   | 227.60 | 0.30   | B280328  | 0.03   | -0.5   | 0.0067 | 0.0051 | 0.0079 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                        | 227.60   | 228.50 | 0.90   | B280329  | -0.01  | -0.5   | 0.0018 | 0.0032 | 0.006  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                        | 228.50   | 229.80 | 1.30   | B280331  | -0.01  | -0.5   | 0.0018 | 0.0026 | 0.0092 |
| <b>228.50</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>229.80</b> | <b>Diabase dyke carb chl ((py))</b>    |          |        |        |          |        |        |        |        |        |
| <p>Same as diabase logged above previous monzonite unit. Lower contact is sharp along a vein back into monzonite.<br/>           &lt;&lt; Min: 228.5 - 229.8: pyrite 0.5% VFG Disseminated / chalcopyrite 0.1% FG Blebby / molybdenite 0.1% FG Blebby &gt;&gt;<br/>           &lt;&lt; Alt: 228.5 - 229.8: CaCarb moderate Pervasive / chl weak to moderate Pervasive &gt;&gt;<br/>           &lt;&lt; Vein: 228.5 - 229.8: QCVMs 1% FG Undulating / CVs 0.5% VFG Irregular/Blebby massive &gt;&gt;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |                                        |          |        |        |          |        |        |        |        |        |
| <b>229.80</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>233.20</b> | <b>Monz (altd) carb py ksp ((alb))</b> |          |        |        |          |        |        |        |        |        |
| <p>Same as the monzonite logged above the previous diabase dyke unit. The lower contact is sharp in broken core into an intermediate intrusive.<br/>           &lt;&lt; Min: 229.8 - 233.2: pyrite 2% FG Disseminated / molybdenite 0.1% FG Wispy / chalcopyrite 0.1% FG Blebby &gt;&gt;<br/>           &lt;&lt; Alt: 229.8 - 233.2: CaCarb weak to moderate Pervasive / ksp weak to moderate Halo / sil moderate Halo / mag weak Patchy / alb weak Halo / FeCarb weak Selective &gt;&gt;<br/>           &lt;&lt; Vein: 229.8 - 233.2: QCVs 2% FG Irregular/Blebby massive / QCVMs 1% FG Undulating massive &gt;&gt;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                        |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                        | 229.80   | 230.10 | 0.30   | B280333  | -0.01  | 0.7    | 0.0141 | 0.0096 | 0.0062 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                        | 230.10   | 230.60 | 0.50   | B280334  | -0.01  | -0.5   | 0.0074 | 0.0027 | 0.0067 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                        | 230.60   | 231.00 | 0.40   | B280335  | 0.01   | 1.9    | 0.0065 | 0.0303 | 0.0064 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                        | 231.00   | 231.70 | 0.70   | B280336  | -0.01  | -0.5   | 0.0028 | 0.0038 | 0.0065 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                        | 231.70   | 232.10 | 0.40   | B280337  | -0.01  | -0.5   | 0.0018 | 0.0027 | 0.0064 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                        | 232.10   | 233.20 | 1.10   | B280338  | 0.01   | -0.5   | 0.0055 | 0.0035 | 0.0066 |
| <b>233.20</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>241.60</b> | <b>Int Intrusive alb ksp py (ser)</b>  |          |        |        |          |        |        |        |        |        |
| <p>Light grayish beige to light pink, fine-grained intermediate intrusive. Unit has been altered and is possibly a monzonite, otherwise there are monzonite xenoliths within the intrusion. Alteration consists of ksp, albite, silica, and sericite halos around veins and fractures. Carb alteration is pervasive. Mineralization is comprised of fine- to medium-grained disseminated pyrite, and trace amounts of molybdenite in veins. Veining consists of mineralized qtz-carb veins, fracture-filling carb veinlets, and thin ksp veins. Lower contact is sharp into monzonite.<br/>           &lt;&lt; Min: 233.2 - 241.6: pyrite 3% FG Disseminated / molybdenite 0.1% FG Blebby &gt;&gt; py stronger in halos<br/>           &lt;&lt; Alt: 233.2 - 241.6: CaCarb moderate Pervasive / ksp weak to moderate Halo / alb weak to moderate Halo / sil weak to moderate Halo / ser weak to moderate Halo &gt;&gt;<br/>           &lt;&lt; Vein: 233.2 - 241.6: QCVMs 1% FG Undulating massive / CVs 0.5% VFG Irregular/Blebby massive / KVs 0.5% FG Undulating massive &gt;&gt;</p> |               |                                        |          |        |        |          |        |        |        |        |        |

Hole: GP20-05

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | To (m)        | Rock Type & Description              | From (m) | To (m) | Length | Sample #   | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------|----------|--------|--------|------------|--------|--------|--------|--------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                      | 233.20   | 234.20 | 1.00   | B280339    | -0.01  | -0.5   | 0.0007 | 0.0016 | 0.0103 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                      | 234.20   | 235.20 | 1.00   | B280341    | -0.01  | -0.5   | 0.0028 | 0.0017 | 0.0095 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                      | 235.20   | 236.20 | 1.00   | B280342    | -0.01  | -0.5   | 0.0024 | 0.0015 | 0.0091 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                      | 236.20   | 237.20 | 1.00   | B280343    | 0.03   | -0.5   | 0.0018 | 0.0014 | 0.0077 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                      | 237.20   | 238.20 | 1.00   | B280344    | -0.01  | -0.5   | 0.0022 | 0.0012 | 0.0084 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                      | 238.20   | 238.60 | 0.40   | B280345    | -0.01  | -0.5   | 0.0018 | 0.0014 | 0.0082 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                      | 238.60   | 239.50 | 0.90   | B280346    | -0.01  | -0.5   | 0.0008 | 0.0014 | 0.009  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                      | 239.50   | 240.00 | 0.50   | B280347    | 0.01   | -0.5   | 0.0031 | 0.0011 | 0.0079 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                      | 240.00   | 241.00 | 1.00   | B280348    | -0.01  | -0.5   | 0.0009 | 0.0013 | 0.0095 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                      | 241.00   | 241.60 | 0.60   | B280349    | -0.01  | -0.5   | 0.0136 | 0.001  | 0.0092 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                      | 241.60   | 242.00 | 0.40   | B280351    | -0.01  | -0.5   | 0.0014 | 0.0039 | 0.0067 |
| <b>241.60</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>282.40</b> | <b>Monz (altd) carb sil alb (py)</b> |          |        |        |            |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                      |          |        |        | <b>106</b> |        |        |        |        |        |
| <p>Highly similar to monzonites logged previously in this hole. Medium-grained, variably altered monzonite. Patchy weak-moderate magnetism. Alteration halos around veins and fractures consist mainly of silica, albite, and, to a lesser extent, ksp. Mineralization in the interval consists of fine- to medium-grained disseminated pyrite and, in veins, blebby pyrite and banded fine-grained molybdenite. The unit contains ultramafic xenoliths up to a few cm in size. Small faults and dykes crosscut the interval, including feldspar phyric dykes near the upper contact. Veining in the lithology consists of mineralized qtz-carb veins, fracture filling carb veinlets, and ksp veins. Alteration intensity increases in the meter above the lower contact, which is sharp into komatiite.</p> <p>&lt;&lt; Min: 241.6 - 282.4: pyrite 1% FG Disseminated / molybdenite 0.1% VFG Wispy &gt;&gt;</p> <p>&lt;&lt; Alt: 241.6 - 282.4: CaCarb weak to moderate Pervasive / mag weak to moderate Patchy / alb weak to moderate Halo / sil weak to moderate Halo / ser weak Halo / ksp weak Halo / FeCarb weak Selective &gt;&gt;</p> <p>&lt;&lt; Vein: 241.6 - 282.4: QCVMs 1% FG Undulating massive / QCVs 1% FG Undulating massive / CVs 0.5% VFG Irregular/Blebby massive / KVs 0.5% FG Undulating massive &gt;&gt;</p> |               |                                      |          |        |        |            |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                      | 242.70   | 243.00 | 0.30   | B280353    | -0.01  | 1.8    | 0.0039 | 0.0336 | 0.0066 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                      | 243.00   | 243.70 | 0.70   | B280354    | -0.01  | -0.5   | 0.0022 | 0.0035 | 0.007  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                      | 243.70   | 244.10 | 0.40   | B280355    | -0.01  | -0.5   | 0.0015 | 0.0028 | 0.0068 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                      | 244.10   | 245.10 | 1.00   | B280356    | -0.01  | -0.5   | 0.0015 | 0.0029 | 0.007  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                      | 245.10   | 245.70 | 0.60   | B280357    | -0.01  | -0.5   | 0.0018 | 0.0029 | 0.0088 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                      | 245.70   | 247.20 | 1.50   | B280358    | 0.02   | -0.5   | 0.0014 | 0.003  | 0.0076 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                      | 247.20   | 248.20 | 1.00   | B280359    | -0.01  | -0.5   | 0.0026 | 0.0025 | 0.0074 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                      | 248.20   | 248.80 | 0.60   | B280361    | -0.01  | -0.5   | 0.0011 | 0.003  | 0.007  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                      | 248.80   | 249.70 | 0.90   | B280362    | 0.01   | -0.5   | 0.0025 | 0.0033 | 0.0072 |

Hole: GP20-05

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|          |        |                         | 249.70   | 250.00 | 0.30   | B280363  | 0.04   | -0.5   | 0.0026 | 0.0031 | 0.005  |
|          |        |                         | 250.00   | 251.00 | 1.00   | B280364  | -0.01  | -0.5   | 0.002  | 0.005  | 0.0065 |
|          |        |                         | 251.00   | 252.00 | 1.00   | B280365  | -0.01  | -0.5   | 0.0027 | 0.0032 | 0.0062 |
|          |        |                         | 252.00   | 253.00 | 1.00   | B280367  | -0.01  | -0.5   | 0.0022 | 0.0026 | 0.0051 |
|          |        |                         | 253.00   | 254.00 | 1.00   | B280368  | -0.01  | -0.5   | 0.0012 | 0.0022 | 0.006  |
|          |        |                         | 254.00   | 254.50 | 0.50   | B280369  | 0.01   | -0.5   | 0.0005 | 0.0053 | 0.0064 |
|          |        |                         | 254.50   | 255.00 | 0.50   | B280371  | 0.09   | -0.5   | 0.0005 | 0.0066 | 0.0069 |
|          |        |                         | 255.00   | 255.80 | 0.80   | B280372  | -0.01  | -0.5   | 0.0016 | 0.0035 | 0.0062 |
|          |        |                         | 255.80   | 256.00 | 0.20   | B280373  | -0.01  | -0.5   | 0.0051 | 0.0091 | 0.0063 |
|          |        |                         | 256.00   | 257.20 | 1.20   | B280374  | -0.01  | -0.5   | 0.0016 | 0.0034 | 0.0064 |
|          |        |                         | 257.20   | 258.40 | 1.20   | B280375  | -0.01  | -0.5   | 0.0016 | 0.0026 | 0.0064 |
|          |        |                         | 258.40   | 258.70 | 0.30   | B280376  | -0.01  | -0.5   | 0.0019 | 0.0026 | 0.0064 |
|          |        |                         | 258.70   | 259.60 | 0.90   | B280377  | -0.01  | -0.5   | 0.0006 | 0.0033 | 0.0067 |
|          |        |                         | 259.60   | 260.50 | 0.90   | B280378  | -0.01  | -0.5   | 0.001  | 0.0035 | 0.0066 |
|          |        |                         | 260.50   | 260.80 | 0.30   | B280379  | 0.05   | 3.3    | 0.0016 | 0.0499 | 0.0057 |
|          |        |                         | 260.80   | 261.50 | 0.70   | B280381  | 0.02   | -0.5   | 0.0027 | 0.0085 | 0.0071 |
|          |        |                         | 261.50   | 262.20 | 0.70   | B280382  | -0.01  | -0.5   | 0.002  | 0.0029 | 0.0065 |
|          |        |                         | 262.20   | 262.40 | 0.20   | B280383  | -0.01  | 3.5    | 0.0084 | 0.0356 | 0.0062 |
|          |        |                         | 262.40   | 263.40 | 1.00   | B280384  | -0.01  | -0.5   | 0.0053 | 0.0038 | 0.0069 |
|          |        |                         | 263.40   | 264.10 | 0.70   | B280385  | -0.01  | -0.5   | 0.0025 | 0.0041 | 0.0066 |
|          |        |                         | 264.10   | 264.80 | 0.70   | B280386  | -0.01  | -0.5   | 0.0021 | 0.0033 | 0.0066 |
|          |        |                         | 264.80   | 265.00 | 0.20   | B280387  | 0.02   | 6.1    | 0.003  | 0.0625 | 0.0067 |
|          |        |                         | 265.00   | 266.10 | 1.10   | B280388  | -0.01  | -0.5   | 0.0012 | 0.0031 | 0.0072 |
|          |        |                         | 266.10   | 266.40 | 0.30   | B280389  | 0.01   | 32.7   | 0.0056 | 0.463  | 0.0066 |
|          |        |                         | 266.40   | 267.40 | 1.00   | B280391  | -0.01  | -0.5   | 0.0011 | 0.0046 | 0.0067 |
|          |        |                         | 267.40   | 268.70 | 1.30   | B280392  | -0.01  | -0.5   | 0.0061 | 0.0053 | 0.0069 |
|          |        |                         | 268.70   | 269.10 | 0.40   | B280393  | 0.01   | 14.4   | 0.0028 | 0.134  | 0.0064 |
|          |        |                         | 269.10   | 270.00 | 0.90   | B280394  | -0.01  | -0.5   | 0.0011 | 0.0026 | 0.0068 |

Hole: GP20-05

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|          |        |                         | 270.00   | 270.50 | 0.50   | B280395  | -0.01  | -0.5   | 0.003  | 0.0019 | 0.0087 |
|          |        |                         | 270.50   | 271.70 | 1.20   | B280396  | -0.01  | -0.5   | 0.0014 | 0.0057 | 0.0068 |
|          |        |                         | 271.70   | 272.10 | 0.40   | B280397  | 0.01   | 2.3    | 0.037  | 0.0252 | 0.0185 |
|          |        |                         | 272.10   | 273.10 | 1.00   | B280398  | -0.01  | -0.5   | 0.0021 | 0.0026 | 0.0074 |
|          |        |                         | 273.10   | 274.20 | 1.10   | B280401  | -0.01  | -0.5   | 0.0037 | 0.0027 | 0.0072 |
|          |        |                         | 274.20   | 274.50 | 0.30   | B280402  | 0.01   | -0.5   | 0.0035 | 0.0042 | 0.0071 |
|          |        |                         | 274.50   | 274.90 | 0.40   | B280403  | 0.03   | -0.5   | 0.0042 | 0.0024 | 0.0059 |
|          |        |                         | 274.90   | 276.40 | 1.50   | B280404  | -0.01  | -0.5   | 0.0007 | 0.003  | 0.0069 |
|          |        |                         | 276.40   | 277.90 | 1.50   | B280405  | -0.01  | -0.5   | 0.0009 | 0.0033 | 0.007  |
|          |        |                         | 277.90   | 278.20 | 0.30   | B280406  | -0.01  | -0.5   | 0.0079 | 0.0042 | 0.0063 |
|          |        |                         | 278.20   | 279.20 | 1.00   | B280407  | -0.01  | -0.5   | 0.0012 | 0.004  | 0.0068 |
|          |        |                         | 279.20   | 280.10 | 0.90   | B280408  | -0.01  | -0.5   | 0.0013 | 0.003  | 0.0068 |
|          |        |                         | 280.10   | 280.40 | 0.30   | B280409  | 0.01   | -0.5   | 0.003  | 0.0029 | 0.0064 |
|          |        |                         | 280.40   | 280.80 | 0.40   | B280411  | 0.04   | -0.5   | 0.0033 | 0.0036 | 0.0067 |
|          |        |                         | 280.80   | 281.40 | 0.60   | B280412  | 0.01   | -0.5   | 0.0031 | 0.0051 | 0.0054 |
|          |        |                         | 281.40   | 281.70 | 0.30   | B280413  | 0.08   | 0.7    | 0.0029 | 0.0032 | 0.0029 |
|          |        |                         | 281.70   | 282.00 | 0.30   | B280414  | -0.01  | -0.5   | 0.0046 | 0.0018 | 0.003  |
|          |        |                         | 282.00   | 282.40 | 0.40   | B280415  | -0.01  | -0.5   | 0.0047 | 0.003  | 0.0046 |

**282.40 290.20 Kom Msv chl tal (py) ((serp)) 10**

Dark green, fine-grained, chloritic, talcose, massive komatiite. Chlorite and talc are moderate to strong and pervasive through the unit. Weak serpentinization is present along contacts. CaCarb is patchy and weak-moderate. In the 50cm above the lower ccontact, the texture changes to spinifex. There are several small monzonite dykes through the interval. The unit is crosscut by thin qtz-carb veinlets. Mineralization consists of fine-grained disseminated pyrite. The lower contact is sharp into monzonite.

<< Min: 282.4 - 290.2: pyrite 0.5% FG Disseminated >>

<< Alt: 282.4 - 290.2: chl moderate to strong Pervasive / tal moderate Pervasive / mag moderate Patchy / CaCarb weak to moderate Patchy / serp weak Patchy >>

<< Vein: 282.4 - 290.2: QCVs 1% FG Irregular/Blebbly massive >>

|        |        |      |         |       |      |        |        |        |
|--------|--------|------|---------|-------|------|--------|--------|--------|
| 282.40 | 283.90 | 1.50 | B280416 | -0.01 | -0.5 | 0.0043 | 0.0008 | 0.0069 |
|--------|--------|------|---------|-------|------|--------|--------|--------|

Hole: GP20-05

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | To (m)        | Rock Type & Description                  | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                          | 283.90   | 285.40 | 1.50   | B280417  | -0.01  | -0.5   | 0.0043 | 0.0013 | 0.0073     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                          | 285.40   | 285.80 | 0.40   | B280418  | -0.01  | 1.1    | 0.0074 | 0.0181 | 0.0079     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                          | 285.80   | 287.30 | 1.50   | B280419  | -0.01  | -0.5   | 0.0044 | 0.0009 | 0.0067     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                          | 287.30   | 288.80 | 1.50   | B280421  | -0.01  | -0.5   | 0.0052 | 0.0007 | 0.0058     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                          | 288.80   | 290.30 | 1.50   | B280422  | -0.01  | 1      | 0.0074 | 0.0175 | 0.0086     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                          | 290.30   | 291.20 | 0.90   | B280423  | -0.01  | -0.5   | 0.0095 | 0.0086 | 0.0057     |
| <b>290.20</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>293.30</b> | <b>Monz altd sil ksp alb (py) ((mo))</b> |          |        |        |          |        |        |        |        | <b>106</b> |
| <p>Light pink to light gray, medium-grained, altered monzonite. Rock has undergone mild k-metasomatism and is silicified and albitized along fractures and veins. Patchy weak magnetism. Carb alteration is patchy and weak-moderate. Veining consists of mineralized quartz-carb veins and fracture-filling carb veinlets. Mineralization consists of fine-grained disseminated pyrite which is more strongly concentrated in alteration halos, and blebby to wispy molybdenite in and along veins. There is ~15ccm of serpentinized komatiite at 291.6 meters. The lower contact of the lithology is sharp into komatiite.</p> <p>&lt;&lt; Min: 290.2 - 293.3: pyrite 3% FG Disseminated / molybdenite 1% FG Blebby &gt;&gt;</p> <p>&lt;&lt; Alt: 290.2 - 293.3: sil moderate Halo / ksp weak to moderate Halo / CaCarb weak to moderate Patchy / alb weak to moderate Halo / mag weak Patchy / FeCarb weak Selective &gt;&gt;</p> <p>&lt;&lt; Vein: 290.2 - 293.3: QCVMs 3% FG Undulating massive / CVs 1% VFG Irregular/Blebby massive &gt;&gt;</p> |               |                                          |          |        |        |          |        |        |        |        |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                          | 291.20   | 291.40 | 0.20   | B280424  | 0.08   | 23.1   | 0.0144 | 0.235  | 0.0049     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                          | 291.40   | 291.60 | 0.20   | B280425  | 0.17   | 74.9   | 0.0086 | 0.724  | 0.0091     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                          | 291.60   | 291.80 | 0.20   | B280426  | 0.16   | 56.9   | 0.0058 | 0.525  | 0.0052     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                          | 291.80   | 292.40 | 0.60   | B280427  | -0.01  | -0.5   | 0.0061 | 0.0067 | 0.0043     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                          | 292.40   | 293.10 | 0.70   | B280428  | -0.01  | -0.5   | 0.0034 | 0.0046 | 0.0047     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                          | 293.10   | 293.30 | 0.20   | B280429  | 0.32   | 0.8    | 0.0018 | 0.0022 | 0.0132     |
| <b>293.30</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>294.30</b> | <b>Kom Msv chl tal (py) ((serp))</b>     |          |        |        |          |        |        |        |        | <b>10</b>  |
| <p>Same as komatiite logged above the previous monzonite unit. Unusual alteration pattern at 294.2 meters, resembles pillow lava. Lower contact is sharp back into monzonite.</p> <p>&lt;&lt; Min: 293.3 - 294.3: pyrite 0.5% FG Disseminated &gt;&gt;</p> <p>&lt;&lt; Alt: 293.3 - 294.3: chl moderate to strong Pervasive / tal moderate Pervasive / mag moderate Patchy / CaCarb weak to moderate Patchy / serp weak Patchy &gt;&gt;</p> <p>&lt;&lt; Vein: 293.3 - 294.3: QCVs 1% FG Irregular/Blebby massive &gt;&gt;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                          |          |        |        |          |        |        |        |        |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                          | 293.30   | 294.30 | 1.00   | B280431  | -0.01  | -0.5   | 0.0035 | 0.0024 | 0.0205     |

Hole: GP20-05

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|

**294.30 297.90 Monz altd SIL ksp py (mo) 304**

Light pink, heavily altered, medium-grained monzonite. Strong to intense silicification and k-metasomatism is pervasive in the interval. Alteration halos also contain weak albitization. Very weak patchy magnetism. Veining consists of mineralized quartz-carb veins and fracture-filling carb veinlets. Mineralization consists of fine-grained disseminated pyrite and, in veins, blebs of pyrite and molybdenite. The lower contact is gradational into less altered monzonite.

<< Min: 294.3 - 297.9: pyrite 3% FG Disseminated / molybdenite 1% FG Blebby >>

<< Alt: 294.3 - 297.9: sil strong Pervasive / ksp moderate to strong Pervasive / CaCarb weak to moderate Patchy / mag weak Patchy / alb weak Halo >>

<< Vein: 294.3 - 297.9: QCVMs 3% FG Undulating massive / CVs 1% VFG Irregular/Blebby massive >>

|        |        |      |         |       |      |        |        |        |
|--------|--------|------|---------|-------|------|--------|--------|--------|
| 294.30 | 295.10 | 0.80 | B280432 | 0.01  | -0.5 | 0.0032 | 0.0022 | 0.0014 |
| 295.10 | 295.40 | 0.30 | B280434 | -0.01 | -0.5 | 0.0031 | 0.0025 | 0.009  |
| 295.40 | 295.80 | 0.40 | B280435 | -0.01 | -0.5 | 0.0027 | 0.0041 | 0.0009 |
| 295.80 | 296.20 | 0.40 | B280436 | 0.01  | -0.5 | 0.0042 | 0.0051 | 0.0038 |
| 296.20 | 296.40 | 0.20 | B280437 | 0.01  | 0.5  | 0.003  | 0.0044 | 0.0014 |
| 296.40 | 296.90 | 0.50 | B280438 | 0.02  | -0.5 | 0.0033 | 0.0052 | 0.0005 |
| 296.90 | 297.20 | 0.30 | B280439 | -0.01 | -0.5 | 0.0016 | 0.0058 | 0.0013 |
| 297.20 | 297.50 | 0.30 | B280441 | 4.82  | 57.5 | 0.0042 | 0.327  | 0.0034 |
| 297.50 | 297.70 | 0.20 | B280442 | 0.12  | 0.8  | 0.0025 | 0.0131 | 0.0038 |
| 297.70 | 297.90 | 0.20 | B280443 | 0.01  | -0.5 | 0.0039 | 0.0037 | 0.0055 |

**297.90 332.20 Monz (altd) carb sil py ((mo)) 106**

Light gray to light pink, medium-grained monzonite. Rock is relatively unaltered, though minor amounts of silicification, k-metasomatism, and albitization have occurred locally in halos along fractures/veins. Weak to moderate carb alteration is pervasive through the interval. Weak to moderate patchy magnetism. Veining in the unit consists of mineralized and unmineralized qtz-carb veins, fracture-filling carb veinlets, and thin ksp veins. Mineralization in the interval is comprised of fine-grained disseminated pyrite and, in mineralized veins, blebby pyrite and molybdenite. The rock contains ultramafic xenoliths up to a few cm in size. Small faults and dykes crosscut the interval. The lower contact is gradational into more altered monzonite.

<< Min: 297.9 - 332.2: pyrite 1% FG Disseminated / molybdenite 0.1% FG Blebby / chalcopyrite 0.1% FG Blebby >>

<< Alt: 297.9 - 332.2: CaCarb weak to moderate Pervasive / sil weak to moderate Halo / ksp weak to moderate Halo / mag weak to moderate Patchy / alb weak Halo / FeCarb weak Selective / ser weak Halo >>

Hole: GP20-05

| From (m)                                                                                                                                                           | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| << Vein: 297.9 - 332.2: QCVMs 1% FG Undulating massive / QCVs 1% FG Undulating massive / CVs 0.5% VFG Irregular/Blebby massive / KVs 0.5% FG Undulating massive >> |        |                         |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                    | 297.90 |                         | 297.90   | 298.70 | 0.80   | B280444  | -0.01  | -0.5   | 0.0046 | 0.0053 | 0.0072 |
|                                                                                                                                                                    | 298.70 |                         | 298.70   | 299.50 | 0.80   | B280445  | -0.01  | -0.5   | 0.0034 | 0.0058 | 0.0075 |
|                                                                                                                                                                    | 299.50 |                         | 299.50   | 299.90 | 0.40   | B280446  | 0.48   | 1.2    | 0.0027 | 0.0124 | 0.0064 |
|                                                                                                                                                                    | 299.90 |                         | 299.90   | 300.90 | 1.00   | B280447  | -0.01  | -0.5   | 0.0025 | 0.0032 | 0.0064 |
|                                                                                                                                                                    | 300.90 |                         | 300.90   | 301.70 | 0.80   | B280448  | -0.01  | -0.5   | 0.0046 | 0.0036 | 0.0065 |
|                                                                                                                                                                    | 301.70 |                         | 301.70   | 302.70 | 1.00   | B280449  | -0.01  | -0.5   | 0.004  | 0.0035 | 0.0063 |
|                                                                                                                                                                    | 302.70 |                         | 302.70   | 303.00 | 0.30   | B280451  | -0.01  | -0.5   | 0.0028 | 0.0029 | 0.0109 |
|                                                                                                                                                                    | 303.00 |                         | 303.00   | 303.70 | 0.70   | B280452  | 0.01   | 2.9    | 0.0064 | 0.0612 | 0.0061 |
|                                                                                                                                                                    | 303.70 |                         | 303.70   | 304.70 | 1.00   | B280453  | 0.01   | -0.5   | 0.0051 | 0.0032 | 0.0064 |
|                                                                                                                                                                    | 304.70 |                         | 304.70   | 305.70 | 1.00   | B280454  | -0.01  | -0.5   | 0.0061 | 0.0032 | 0.0063 |
|                                                                                                                                                                    | 305.70 |                         | 305.70   | 306.60 | 0.90   | B280455  | -0.01  | -0.5   | 0.0029 | 0.0029 | 0.0063 |
|                                                                                                                                                                    | 306.60 |                         | 306.60   | 306.80 | 0.20   | B280456  | -0.01  | 0.8    | 0.0049 | 0.0159 | 0.0047 |
|                                                                                                                                                                    | 306.80 |                         | 306.80   | 307.80 | 1.00   | B280457  | -0.01  | 1.6    | 0.0077 | 0.0193 | 0.0061 |
|                                                                                                                                                                    | 307.80 |                         | 307.80   | 308.50 | 0.70   | B280458  | -0.01  | -0.5   | 0.0093 | 0.0047 | 0.0064 |
|                                                                                                                                                                    | 308.50 |                         | 308.50   | 309.30 | 0.80   | B280459  | -0.01  | -0.5   | 0.0021 | 0.0028 | 0.0065 |
|                                                                                                                                                                    | 309.30 |                         | 309.30   | 310.00 | 0.70   | B280461  | 0.01   | 1.1    | 0.0057 | 0.0151 | 0.0059 |
|                                                                                                                                                                    | 310.00 |                         | 310.00   | 310.20 | 0.20   | B280462  | 0.02   | 1.9    | 0.0286 | 0.0209 | 0.0059 |
|                                                                                                                                                                    | 310.20 |                         | 310.20   | 311.40 | 1.20   | B280463  | -0.01  | -0.5   | 0.0041 | 0.0052 | 0.0068 |
|                                                                                                                                                                    | 311.40 |                         | 311.40   | 312.60 | 1.20   | B280464  | -0.01  | -0.5   | 0.0047 | 0.0044 | 0.0065 |
|                                                                                                                                                                    | 312.60 |                         | 312.60   | 312.80 | 0.20   | B280465  | -0.01  | -0.5   | 0.0325 | 0.0064 | 0.0066 |
|                                                                                                                                                                    | 312.80 |                         | 312.80   | 313.60 | 0.80   | B280466  | -0.01  | -0.5   | 0.0056 | 0.0048 | 0.0067 |
|                                                                                                                                                                    | 313.60 |                         | 313.60   | 313.80 | 0.20   | B280467  | 0.01   | 0.8    | 0.0041 | 0.0075 | 0.0065 |
|                                                                                                                                                                    | 313.80 |                         | 313.80   | 314.80 | 1.00   | B280468  | -0.01  | -0.5   | 0.004  | 0.0045 | 0.0071 |
|                                                                                                                                                                    | 314.80 |                         | 314.80   | 315.80 | 1.00   | B280471  | -0.01  | -0.5   | 0.003  | 0.0032 | 0.0065 |
|                                                                                                                                                                    | 315.80 |                         | 315.80   | 316.80 | 1.00   | B280472  | -0.01  | -0.5   | 0.0013 | 0.0037 | 0.0064 |
|                                                                                                                                                                    | 316.80 |                         | 316.80   | 317.80 | 1.00   | B280473  | 0.01   | -0.5   | 0.0017 | 0.0029 | 0.0063 |



Hole: GP20-05

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
|          |        |                         | 317.80   | 318.80 | 1.00   | B280474  | -0.01  | -0.5   | 0.0028 | 0.0027 | 0.0064 |
|          |        |                         | 318.80   | 319.80 | 1.00   | B280475  | -0.01  | -0.5   | 0.0029 | 0.0032 | 0.0063 |
|          |        |                         | 319.80   | 320.80 | 1.00   | B280476  | 0.06   | -0.5   | 0.0028 | 0.0036 | 0.0066 |
|          |        |                         | 320.80   | 321.40 | 0.60   | B280477  | -0.01  | -0.5   | 0.0057 | 0.0031 | 0.0067 |
|          |        |                         | 321.40   | 322.00 | 0.60   | B280478  | -0.01  | -0.5   | 0.0047 | 0.0033 | 0.0062 |
|          |        |                         | 322.00   | 322.20 | 0.20   | B280479  | 0.06   | 0.7    | 0.0069 | 0.0122 | 0.0061 |
|          |        |                         | 322.20   | 322.40 | 0.20   | B280481  | 0.01   | -0.5   | 0.0069 | 0.0047 | 0.0057 |
|          |        |                         | 322.40   | 323.00 | 0.60   | B280482  | -0.01  | -0.5   | 0.006  | 0.0042 | 0.0071 |
|          |        |                         | 323.00   | 323.80 | 0.80   | B280483  | 0.01   | 1.7    | 0.0067 | 0.0203 | 0.0058 |
|          |        |                         | 323.80   | 324.00 | 0.20   | B280484  | -0.01  | -0.5   | 0.0056 | 0.0062 | 0.0061 |
|          |        |                         | 324.00   | 324.90 | 0.90   | B280485  | -0.01  | -0.5   | 0.0038 | 0.0038 | 0.0063 |
|          |        |                         | 324.90   | 325.80 | 0.90   | B280486  | -0.01  | -0.5   | 0.0044 | 0.0058 | 0.0064 |
|          |        |                         | 325.80   | 326.00 | 0.20   | B280487  | 0.03   | 1.1    | 0.0055 | 0.0132 | 0.0056 |
|          |        |                         | 326.00   | 326.30 | 0.30   | B280488  | 0.02   | -0.5   | 0.0035 | 0.0038 | 0.0059 |
|          |        |                         | 326.30   | 326.70 | 0.40   | B280489  | 0.01   | -0.5   | 0.006  | 0.0028 | 0.0066 |
|          |        |                         | 326.70   | 326.90 | 0.20   | B280491  | 0.88   | 15     | 0.0052 | 0.112  | 0.0058 |
|          |        |                         | 326.90   | 327.40 | 0.50   | B280492  | 0.01   | -0.5   | 0.0041 | 0.0037 | 0.0066 |
|          |        |                         | 327.40   | 327.60 | 0.20   | B280493  | 0.26   | -0.5   | 0.0021 | 0.004  | 0.0052 |
|          |        |                         | 327.60   | 327.90 | 0.30   | B280494  | 0.01   | -0.5   | 0.0031 | 0.003  | 0.0061 |
|          |        |                         | 327.90   | 328.50 | 0.60   | B280495  | 0.01   | -0.5   | 0.0045 | 0.0036 | 0.0063 |
|          |        |                         | 328.50   | 328.70 | 0.20   | B280501  | 0.01   | -0.5   | 0.013  | 0.008  | 0.0061 |
|          |        |                         | 328.70   | 329.50 | 0.80   | B280496  | 0.01   | -0.5   | 0.0032 | 0.0042 | 0.0061 |
|          |        |                         | 329.50   | 330.30 | 0.80   | B280497  | -0.01  | -0.5   | 0.002  | 0.0027 | 0.0059 |
|          |        |                         | 330.30   | 331.10 | 0.80   | B280498  | -0.01  | -0.5   | 0.0042 | 0.0042 | 0.0064 |
|          |        |                         | 331.10   | 331.40 | 0.30   | B280502  | 0.08   | -0.5   | 0.0043 | 0.0036 | 0.0046 |
|          |        |                         | 331.40   | 332.20 | 0.80   | B280503  | 0.01   | -0.5   | 0.004  | 0.0045 | 0.006  |
|          |        |                         | 332.20   | 332.80 | 0.60   | B280504  | 0.02   | -0.5   | 0.0034 | 0.0061 | 0.0027 |

Hole: GP20-05

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | To (m)        | Rock Type & Description           | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| <b>332.20</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>337.60</b> | <b>Monz altd sil ksp ser (py)</b> |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               | <b>106</b>                        | 332.80   | 333.00 | 0.20   | B280505  | 0.12   | -0.5   | 0.0023 | 0.0031 | 0.0033 |
| <p>The same monzonite as logged in the previous unit, but with much more intense alteration halos around veins. Silica is intense in halos and sericite is weak-moderate. Carb alteration is weak and patchy. Weak patchy magnetism. Veins are mineralized quartz-carb and there are also fracture-filling carb veinlets. Mineralization consists of fine-grained disseminated pyrite and, in veins, blebby fine-grained pyrite and trace amounts of fine-grained molybdenite. The lower contact is sharp into komatiite.</p> |               |                                   |          |        |        |          |        |        |        |        |        |
| << Min: 332.2 - 337.6: pyrite 1% FG Disseminated / hematite 1% FG Disseminated / molybdenite 0.1% FG Blebby >>                                                                                                                                                                                                                                                                                                                                                                                                                |               |                                   |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                   | 333.00   | 333.20 | 0.20   | B280506  | 0.01   | -0.5   | 0.0018 | 0.0062 | 0.0013 |
| << Alt: 332.2 - 337.6: sil strong Halo / ksp moderate to strong Halo / ser weak to moderate Halo / CaCarb weak Patchy / mag weak Patchy >>                                                                                                                                                                                                                                                                                                                                                                                    |               |                                   |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                   | 333.20   | 333.60 | 0.40   | B280507  | -0.01  | -0.5   | 0.0032 | 0.0064 | 0.0058 |
| << Vein: 332.2 - 337.6: QCVs 4% FG Planar massive / QCVMs 1% FG Planar massive / CVs 1% VFG Irregular/Blebby massive / KV's 3% FG Undulating massive >>                                                                                                                                                                                                                                                                                                                                                                       |               |                                   |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                   | 333.60   | 333.80 | 0.20   | B280508  | 0.11   | 4      | 0.0041 | 0.0296 | 0.0029 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                   | 333.80   | 334.10 | 0.30   | B280509  | 0.36   | 3.3    | 0.0021 | 0.027  | 0.002  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                   | 334.10   | 334.50 | 0.40   | B280511  | 0.01   | -0.5   | 0.0026 | 0.0041 | 0.0053 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                   | 334.50   | 334.80 | 0.30   | B280512  | 0.02   | 2.5    | 0.0032 | 0.0224 | 0.0036 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                   | 334.80   | 335.20 | 0.40   | B280513  | 0.02   | 0.5    | 0.0043 | 0.0071 | 0.0044 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                   | 335.20   | 335.50 | 0.30   | B280514  | 0.21   | 1      | 0.003  | 0.0092 | 0.0031 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                   | 335.50   | 335.80 | 0.30   | B280515  | 0.12   | 1.3    | 0.0092 | 0.0129 | 0.0047 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                   | 335.80   | 337.20 | 1.40   | B280516  | -0.01  | -0.5   | 0.0053 | 0.0078 | 0.0065 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                   | 337.20   | 337.60 | 0.40   | B280517  | -0.01  | -0.5   | 0.0047 | 0.0023 | 0.0096 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                   | 337.60   | 338.40 | 0.80   | B280518  | -0.01  | -0.5   | 0.0046 | 0.0011 | 0.0104 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                   | 338.40   | 339.10 | 0.70   | B280519  | -0.01  | -0.5   | 0.0036 | 0.0006 | 0.0078 |
| <b>337.60</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>339.10</b> | <b>Kom Msv chl (ser) ((py))</b>   |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               | <b>10</b>                         |          |        |        |          |        |        |        |        |        |
| <p>Dark green, fine-grained, massive komatiite. Chlorite and talc are pervasive through the unit, and carb alteration is weak and patchy. Magnetism has been destroyed by alteration. The interval is weakly silicified and sericitic, and contacts have been serpentinized. A stockwork of quartz-carb veins crosscuts the unit. Mineralization consists of very fine-grained disseminated pyrite. The lower contact is sharp into monzonite.</p>                                                                            |               |                                   |          |        |        |          |        |        |        |        |        |
| << Min: 337.6 - 339.1: pyrite 0.5% VFG Disseminated >>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |                                   |          |        |        |          |        |        |        |        |        |
| << Alt: 337.6 - 339.1: chl moderate to strong Pervasive / ser weak to moderate Pervasive / sil weak Pervasive / CaCarb weak Patchy / serp weak to moderate Selective / tal weak to moderate Pervasive >>                                                                                                                                                                                                                                                                                                                      |               |                                   |          |        |        |          |        |        |        |        |        |
| << Vein: 337.6 - 339.1: QCVs 3% FG Irregular/Blebby massive >>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                                   |          |        |        |          |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                   | 339.10   | 339.80 | 0.70   | B280521  | 0.01   | -0.5   | 0.0038 | 0.0073 | 0.0049 |

Hole: GP20-05

| From (m)                                                                                                                                                                                                                                                                                                                                                     | To (m)        | Rock Type & Description           | From (m)   | To (m) | Length | Sample # | Au ppm  | Ag ppm | Cu pct | Pb pct | Zn pct |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------|------------|--------|--------|----------|---------|--------|--------|--------|--------|--------|
| <b>339.10</b>                                                                                                                                                                                                                                                                                                                                                | <b>341.90</b> | <b>Monz altd sil ksp ser (py)</b> | <b>106</b> | 339.80 | 340.00 | 0.20     | B280522 | 0.01   | -0.5   | 0.0038 | 0.0024 | 0.0051 |
| Same as the monzonite logged above the previous komatiite, but there is an absence of kspar veins. Lower contact is sharp into komatiite.                                                                                                                                                                                                                    |               |                                   |            |        |        |          |         |        |        |        |        |        |
| << Min: 339.1 - 341.9: pyrite 1% FG Disseminated / hematite 1% FG Disseminated / molybdenite 0.1% FG Blebby >>                                                                                                                                                                                                                                               |               |                                   |            |        |        |          |         |        |        |        |        |        |
| << Alt: 339.1 - 341.9: sil strong Halo / ksp moderate to strong Halo / ser weak to moderate Halo / CaCarb weak Patchy / mag weak Patchy >>                                                                                                                                                                                                                   |               |                                   |            |        |        |          |         |        |        |        |        |        |
| << Vein: 339.1 - 341.9: QCVs 4% FG Planar massive / QCVMs 1% FG Planar massive / CVs 1% VFG Irregular/Blebby massive >>                                                                                                                                                                                                                                      |               |                                   |            |        |        |          |         |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                              |               |                                   | 340.00     | 340.60 | 0.60   | B280523  | -0.01   | -0.5   | 0.0038 | 0.0036 | 0.0062 |        |
|                                                                                                                                                                                                                                                                                                                                                              |               |                                   | 340.60     | 340.80 | 0.20   | B280524  | 0.01    | -0.5   | 0.0044 | 0.0029 | 0.0033 |        |
|                                                                                                                                                                                                                                                                                                                                                              |               |                                   | 340.80     | 341.50 | 0.70   | B280525  | -0.01   | -0.5   | 0.0023 | 0.003  | 0.0053 |        |
|                                                                                                                                                                                                                                                                                                                                                              |               |                                   | 341.50     | 341.70 | 0.20   | B280526  | -0.01   | -0.5   | 0.0017 | 0.0032 | 0.0054 |        |
|                                                                                                                                                                                                                                                                                                                                                              |               |                                   | 341.70     | 341.90 | 0.20   | B280527  | -0.01   | -0.5   | 0.0028 | 0.0029 | 0.0051 |        |
| <b>341.90</b>                                                                                                                                                                                                                                                                                                                                                | <b>349.50</b> | <b>Kom Msv chl tal ((py))</b>     | <b>10</b>  |        |        |          |         |        |        |        |        |        |
| Dark gray to dark green, fine-grained, massive komatiite. Chlorite and talc are pervasive throughout the interval, and there is very weak patchy carb alteration. Patchy moderate to strong magnetism. A stockwork of quartz-carb veins crosscuts the lithology. Mineralization consists of very fine-grained disseminated pyrite. The lower contact is EOH. |               |                                   |            |        |        |          |         |        |        |        |        |        |
| << Min: 341.9 - 349.5: pyrite 0.5% VFG Disseminated >>                                                                                                                                                                                                                                                                                                       |               |                                   |            |        |        |          |         |        |        |        |        |        |
| << Alt: 341.9 - 349.5: chl moderate to strong Pervasive / mag moderate to strong Patchy / tal moderate Pervasive / CaCarb weak Patchy >>                                                                                                                                                                                                                     |               |                                   |            |        |        |          |         |        |        |        |        |        |
| << Vein: 341.9 - 349.5: QCVs 5% VFG Irregular/Blebby massive >>                                                                                                                                                                                                                                                                                              |               |                                   |            |        |        |          |         |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                                                                                              |               |                                   | 341.90     | 342.10 | 0.20   | B280528  | -0.01   | -0.5   | 0.0027 | 0.0013 | 0.0151 |        |
|                                                                                                                                                                                                                                                                                                                                                              |               |                                   | 342.10     | 343.10 | 1.00   | B280529  | 0.01    | -0.5   | 0.005  | 0.0023 | 0.0102 |        |
|                                                                                                                                                                                                                                                                                                                                                              |               |                                   | 343.10     | 343.40 | 0.30   | B280531  | -0.01   | -0.5   | 0.0113 | 0.0027 | 0.0141 |        |
|                                                                                                                                                                                                                                                                                                                                                              |               |                                   | 343.40     | 344.30 | 0.90   | B280532  | -0.01   | -0.5   | 0.0035 | 0.0007 | 0.0077 |        |
|                                                                                                                                                                                                                                                                                                                                                              |               |                                   | 344.30     | 345.80 | 1.50   | B280534  | -0.01   | -0.5   | 0.0035 | 0.001  | 0.0051 |        |
|                                                                                                                                                                                                                                                                                                                                                              |               |                                   | 345.80     | 347.30 | 1.50   | B280535  | -0.01   | -0.5   | 0.0045 | 0.0008 | 0.0065 |        |
|                                                                                                                                                                                                                                                                                                                                                              |               |                                   | 347.30     | 348.00 | 0.70   | B280536  | -0.01   | -0.5   | 0.0042 | 0.0011 | 0.0079 |        |
|                                                                                                                                                                                                                                                                                                                                                              |               |                                   | 348.00     | 349.50 | 1.50   | B280537  | 0.01    | -0.5   | 0.003  | 0.0011 | 0.0062 |        |
| <b>349.50</b>                                                                                                                                                                                                                                                                                                                                                | <b>349.50</b> | <b>EOH</b>                        | <b>0</b>   |        |        |          |         |        |        |        |        |        |

End of Hole @ 349.5

Hole: GP20-05

**Project:** Golden Perimeter

**Hole:** GP20-06

|                             |                  |                     |                                |                         |              |                          |                          |
|-----------------------------|------------------|---------------------|--------------------------------|-------------------------|--------------|--------------------------|--------------------------|
| <b>Prospect:</b>            | Golden Perimeter | <b>Survey Type:</b> | Trimble R1                     | <b>Logged By:</b>       | Neal Maguire | <b>Hole Type:</b>        | DD                       |
| <b>Datum:</b>               | NAD83            | <b>Survey By:</b>   | Conor McKinley                 | <b>Date Started:</b>    |              | <b>Core Size:</b>        | NQ                       |
| <b>Vertical Datum:</b>      |                  | <b>Azimuth:</b>     | 225                            | <b>Date Completed:</b>  |              | <b>Casing Pulled?:</b>   | <input type="checkbox"/> |
| <b>Zone:</b>                | 17N              | <b>Dip:</b>         | -45                            | <b>Drill Company:</b>   | Norex        | <b>Casing Depth (m):</b> | 48                       |
| <b>UTM East:</b>            | 504516.71321     | <b>Length (m):</b>  | 69                             | <b>Drill Started:</b>   | 2020-03-16   | <b>H Core Depth (m):</b> |                          |
| <b>UTM North:</b>           | 5349340.0097     |                     |                                | <b>Drill Completed:</b> | 2020-03-16   | <b>N Core Depth (m):</b> | 69                       |
| <b>UTM Elevation (m):</b>   | 265.7053         |                     |                                |                         |              | <b>B Core Depth (m):</b> |                          |
| <b>Local Grid:</b>          |                  | <b>Comments:</b>    | Hole abandoned due to COVID-19 |                         |              |                          |                          |
| <b>Local East:</b>          |                  |                     |                                |                         |              |                          |                          |
| <b>Local North:</b>         |                  |                     |                                |                         |              |                          |                          |
| <b>Local Elevation (m):</b> |                  |                     |                                |                         |              |                          |                          |

| Depth (m) | Survey Method  | Survey By | Date Surveyed | Dip   | Azimuth | Mag. Field | Accept Values?                      | Comments                                           |
|-----------|----------------|-----------|---------------|-------|---------|------------|-------------------------------------|----------------------------------------------------|
| 0         | Reflex EZ Shot |           |               | -45   | 225     |            | <input checked="" type="checkbox"/> | Dummy survey based on planned dip/azi Neal Maguire |
| 57        | Reflex EZ Shot |           |               | -46.2 | 223.7   | 5600       | <input checked="" type="checkbox"/> |                                                    |

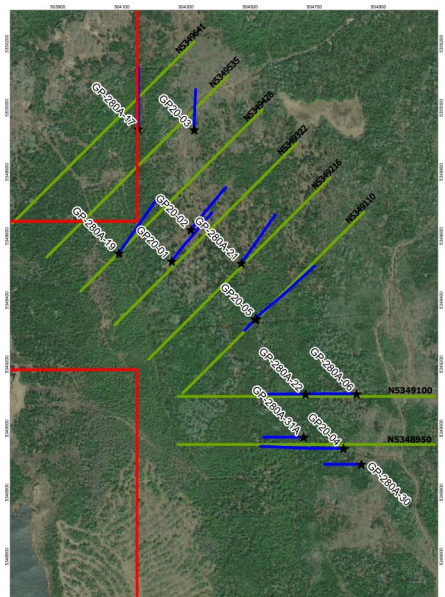
Hole: GP20-06

| From (m) | To (m) | Rock Type & Description           | From (m) | To (m) | Length | Sample # | Au ppm | Ag ppm | Cu pct | Pb pct | Zn pct |
|----------|--------|-----------------------------------|----------|--------|--------|----------|--------|--------|--------|--------|--------|
| 0.00     | 48.00  | Casing                            |          |        |        |          |        |        |        |        |        |
| 48.00    | 69.00  | Kom Msv chl mag tal (carb) ((py)) |          |        |        |          |        |        |        |        |        |
| 69.00    |        | EOH                               |          |        |        |          |        |        |        |        |        |

needs to be logged

End of Hole @ 69

**APPENDIX III DRILL HOLE PLAN MAP AND CROSS SECTIONS**




|                                                     |
|-----------------------------------------------------|
| <b>Legend</b>                                       |
| <span style="color: red;">□</span> Claim Boundary   |
| ★ Sections Collars                                  |
| <span style="color: blue;">—</span> Traces Sections |
| <span style="color: green;">—</span> Section Lines  |

**HighGold Mining**  
 Golden Perimeter Drill Plan Map  
 May, 2021




HIGHGOLD

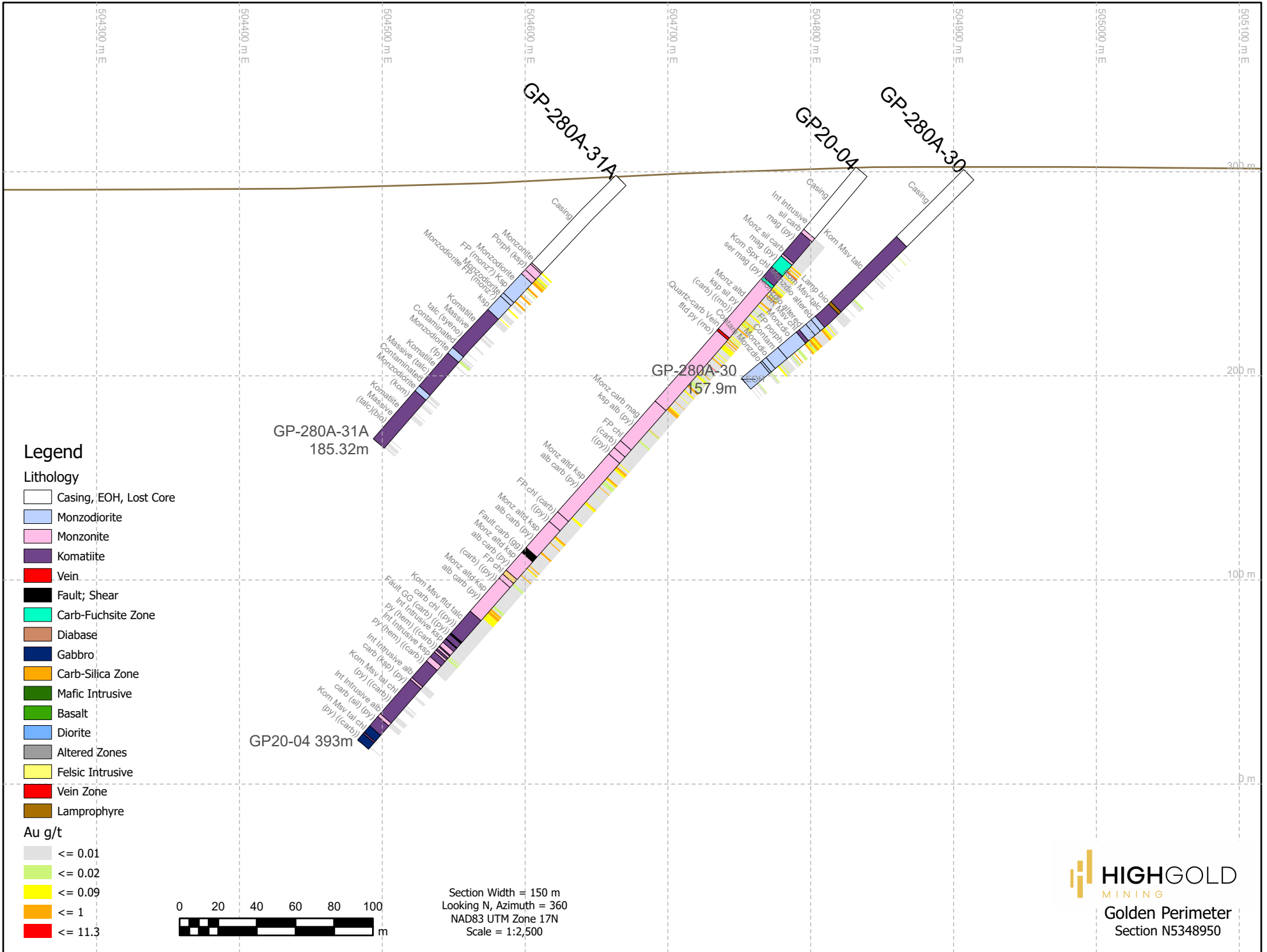
N



0 100 200 300 400  
m







GP-280A-31A

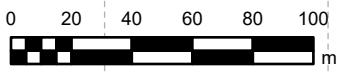
GP20-04

GP-280A-30

GP-280A-31A  
185.32m

GP-280A-30  
157.9m

GP20-04 393m



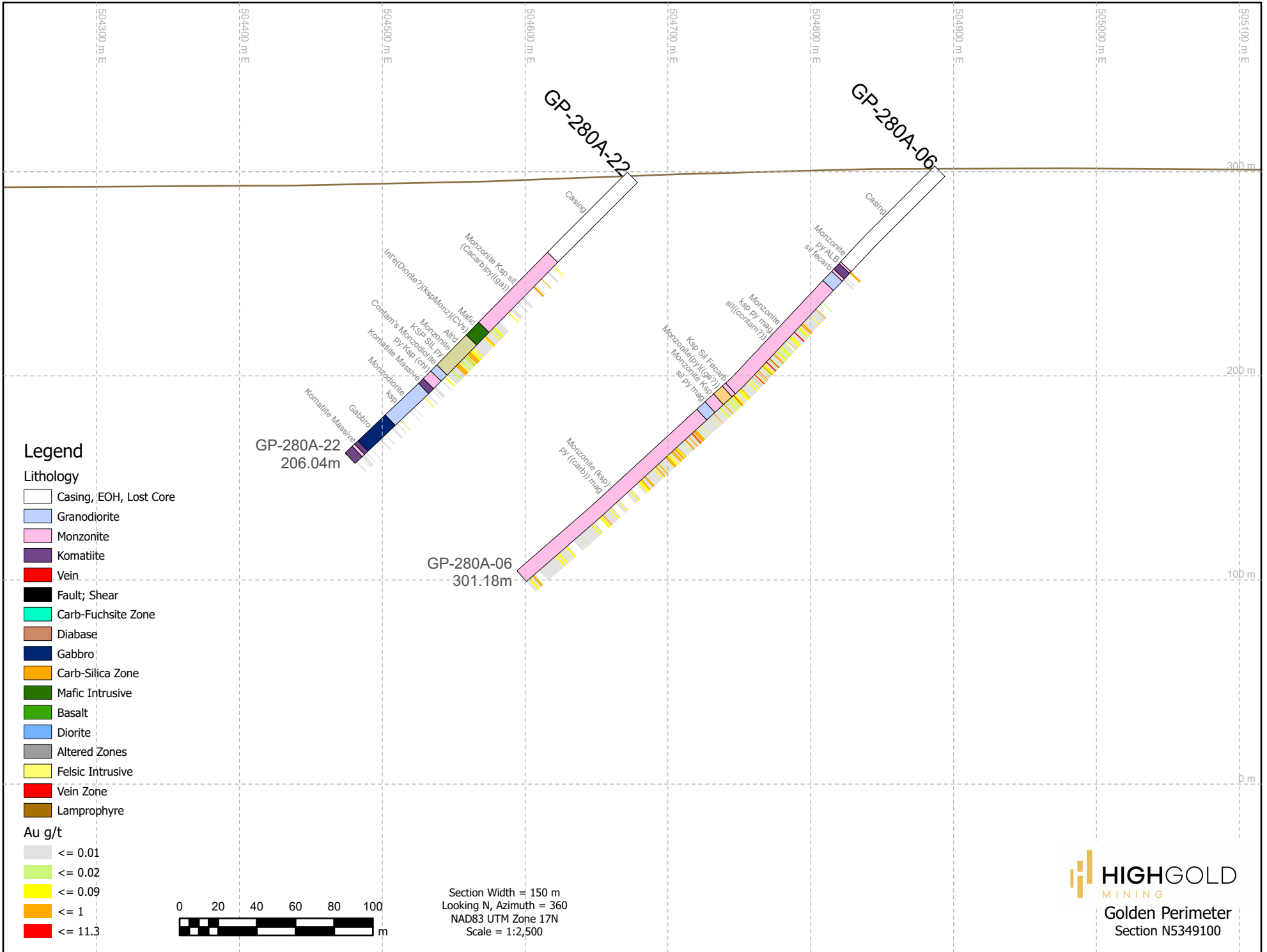
300 m

200 m

100 m

0 m

504300 m E  
504400 m E  
504500 m E  
504600 m E  
504700 m E  
504800 m E  
504900 m E  
505000 m E  
505100 m E



GP-280A-22

GP-280A-06

GP-280A-22  
206.04m

GP-280A-06  
301.18m



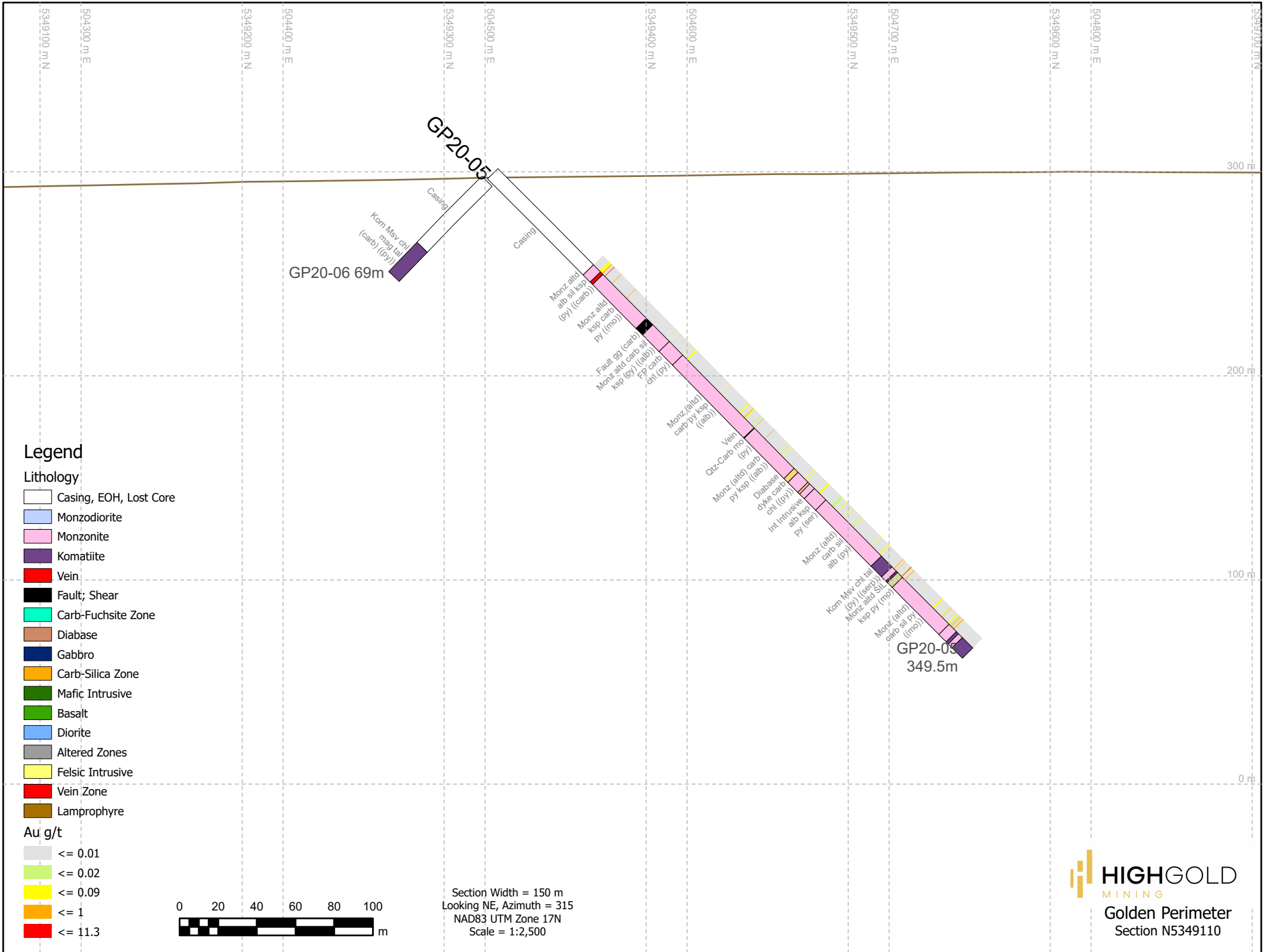
300 m

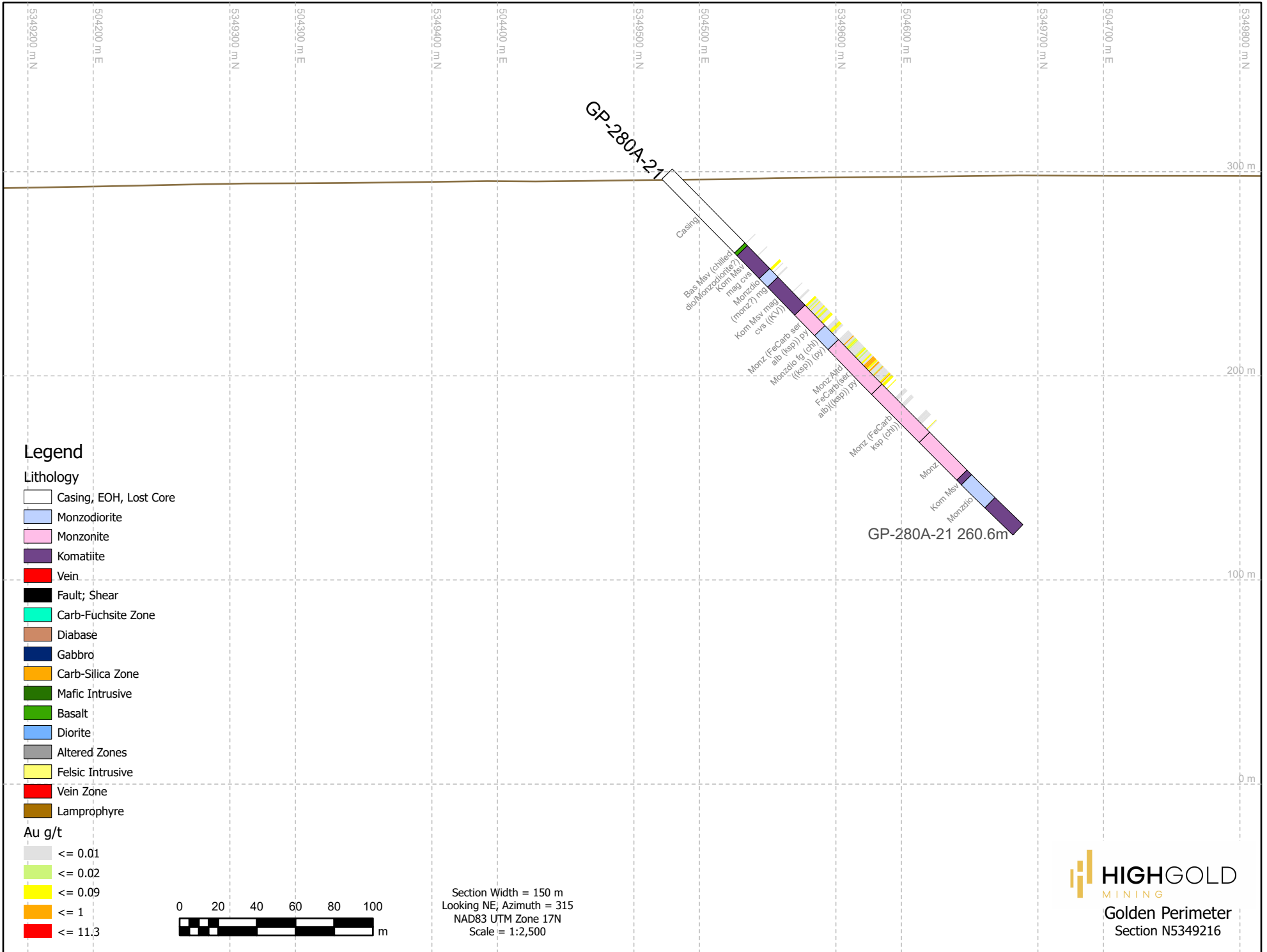
200 m

100 m

0 m

504300 m E 504400 m E 504500 m E 504600 m E 504700 m E 504800 m E 504900 m E 505000 m E 505100 m E





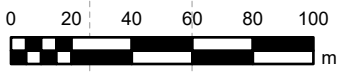
**Legend**

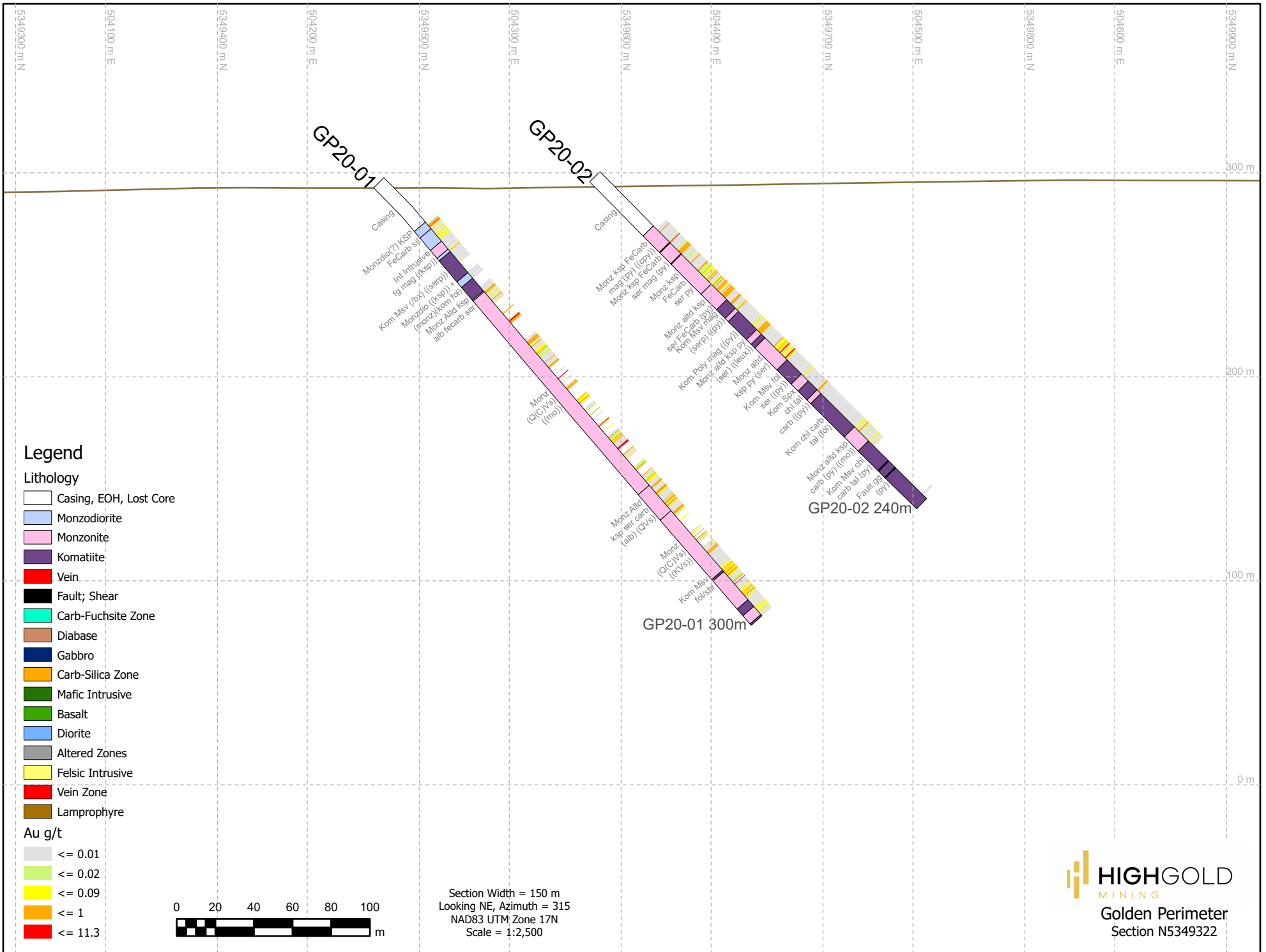
**Lithology**

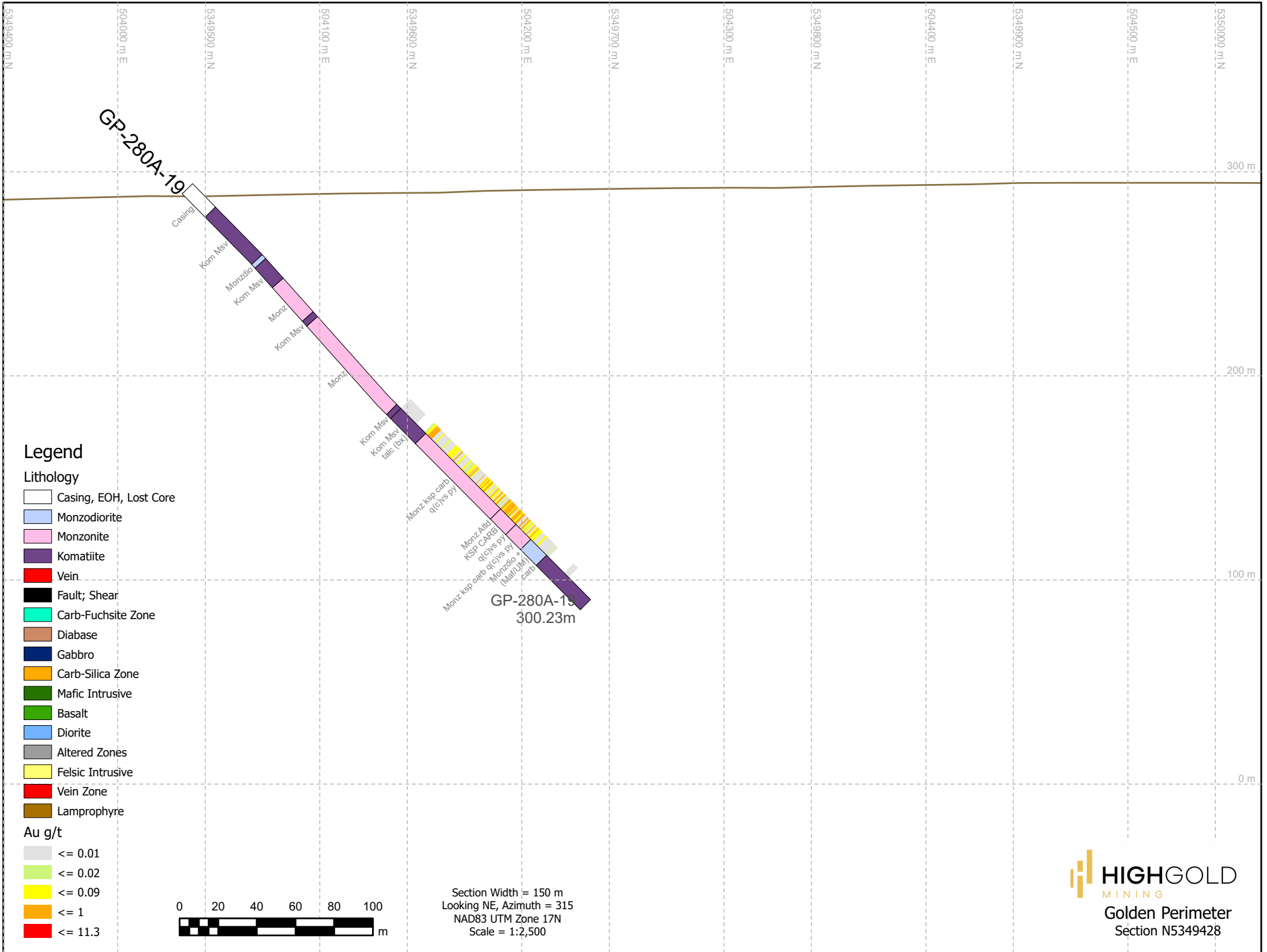
- Casing, EOH, Lost Core
- Monzodiorite
- Monzonite
- Komatiite
- Vein
- Fault; Shear
- Carb-Fuchsite Zone
- Diabase
- Gabbro
- Carb-Silica Zone
- Mafic Intrusive
- Basalt
- Diorite
- Altered Zones
- Felsic Intrusive
- Vein Zone
- Lamprophyre

**Au g/t**

- <= 0.01
- <= 0.02
- <= 0.09
- <= 1
- <= 11.3

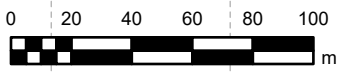




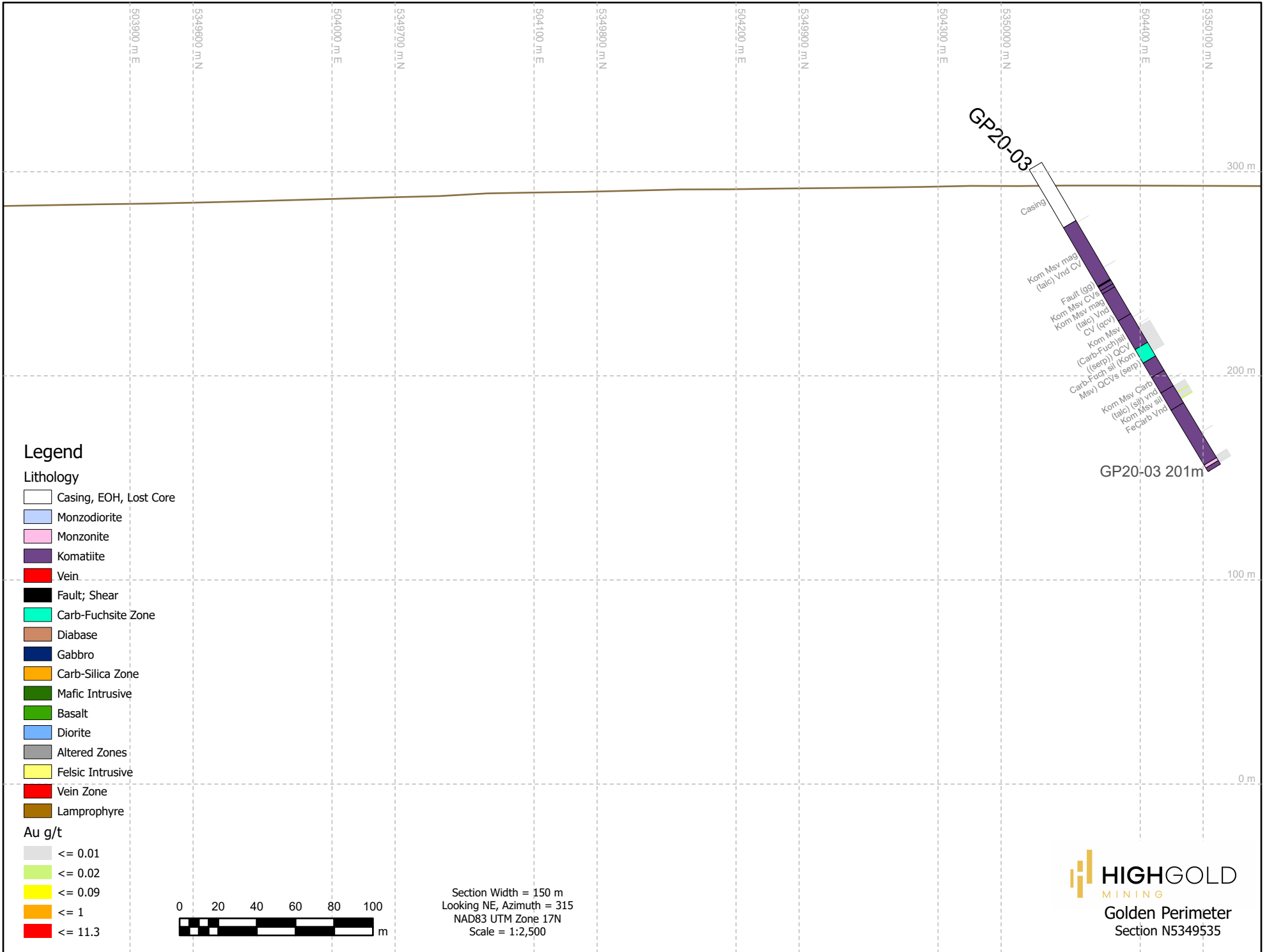


**Legend**

- Lithology**
- Casing, EOH, Lost Core
  - Monziorite
  - Monzonite
  - Komatiite
  - Vein
  - Fault; Shear
  - Carb-Fuchsite Zone
  - Diabase
  - Gabbro
  - Carb-Silica Zone
  - Mafic Intrusive
  - Basalt
  - Diorite
  - Altered Zones
  - Felsic Intrusive
  - Vein Zone
  - Lamprophyre
- Au g/t**
- ≤ 0.01
  - ≤ 0.02
  - ≤ 0.09
  - ≤ 1
  - ≤ 11.3



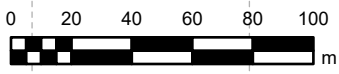
Section Width = 150 m  
 Looking NE, Azimuth = 315  
 NAD83 UTM Zone 17N  
 Scale = 1:2,500



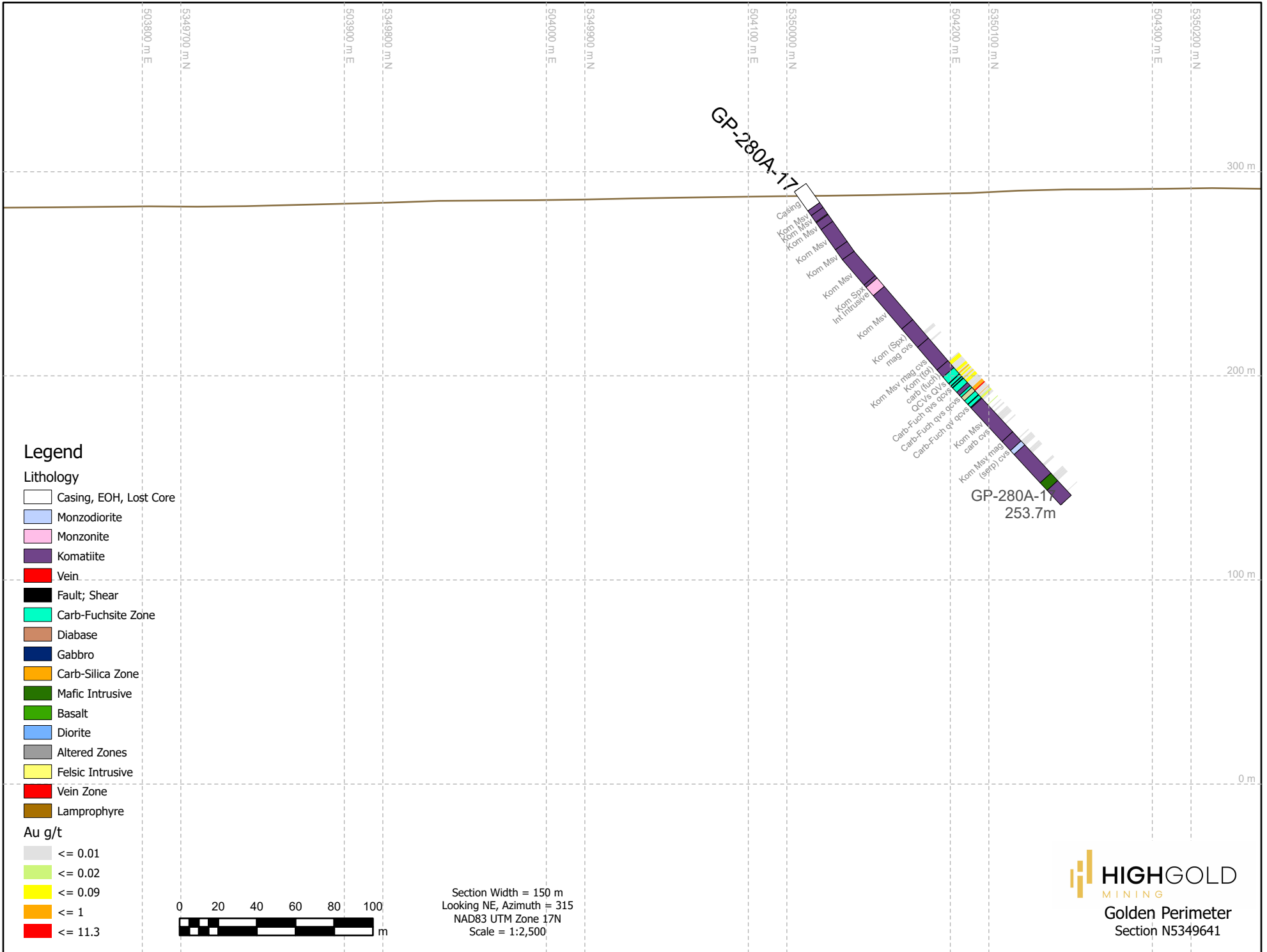
**Legend**

- Lithology**
- Casing, EOH, Lost Core
  - Monzodiorite
  - Monzonite
  - Komatiite
  - Vein
  - Fault; Shear
  - Carb-Fuchsite Zone
  - Diabase
  - Gabbro
  - Carb-Silica Zone
  - Mafic Intrusive
  - Basalt
  - Diorite
  - Altered Zones
  - Felsic Intrusive
  - Vein Zone
  - Lamprophyre

- Au g/t**
- <= 0.01
  - <= 0.02
  - <= 0.09
  - <= 1
  - <= 11.3



Section Width = 150 m  
 Looking NE, Azimuth = 315  
 NAD83 UTM Zone 17N  
 Scale = 1:2,500



**Legend**

- Lithology**
- Casing, EOH, Lost Core
  - Monzodiorite
  - Monzonite
  - Komatiite
  - Vein
  - Fault; Shear
  - Carb-Fuchsite Zone
  - Diabase
  - Gabbro
  - Carb-Silica Zone
  - Mafic Intrusive
  - Basalt
  - Diorite
  - Altered Zones
  - Felsic Intrusive
  - Vein Zone
  - Lamprophyre

- Au g/t**
- <= 0.01
  - <= 0.02
  - <= 0.09
  - <= 1
  - <= 11.3



Section Width = 150 m  
 Looking NE, Azimuth = 315  
 NAD83 UTM Zone 17N  
 Scale = 1:2,500



**APPENDIX IV ASSAY CERTIFICATES**



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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**VANCOUVER BC V6C 2V6**

Page: 1  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 19-DEC-2019  
 Account: GOLHIGH

**CERTIFICATE TM19301393**

Project: Golden Perimeter  
 P.O. No.: GP-280A-6  
 This report is for 273 Drill Core samples submitted to our lab in Timmins, ON, Canada on 27-NOV-2019.  
 The following have access to data associated with this certificate:

|                |              |              |
|----------------|--------------|--------------|
| IAN DUNLOP     | DARWIN GREEN | NEAL MAGUIRE |
| CONOR MCKINLEY |              |              |

| SAMPLE PREPARATION |                                 |
|--------------------|---------------------------------|
| ALS CODE           | DESCRIPTION                     |
| WEI-21             | Received Sample Weight          |
| LOG-21             | Sample logging - ClientBarCode  |
| CRU-31             | Fine crushing - 70% <2mm        |
| PUL-QC             | Pulverizing QC Test             |
| CRU-QC             | Crushing QC Test                |
| LOG-23             | Pulp Login - Rcvd with Barcode  |
| SPL-21             | Split sample - riffle splitter  |
| PUL-31             | Pulverize up to 250g 85% <75 um |

| ANALYTICAL PROCEDURES |                                |         |
|-----------------------|--------------------------------|---------|
| ALS CODE              | DESCRIPTION                    |         |
| Ag-OG62               | Ore Grade Ag - Four Acid       |         |
| ME-OG62               | Ore Grade Elements - Four Acid | ICP-AES |
| Au-AA26               | Ore Grade Au 50g FA AA finish  | AAS     |
| ME-ICP61              | 33 element four acid ICP-AES   | ICP-AES |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

**Signature:**   
 Saa Traxler, General Manager, North Vancouver



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 19-DEC-2019  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19301393**

| Sample Description | Method Analyte Units LOD | WEI-21       | Ag-OG62 | Au-AA26 | PUL-QC     | CRU-QC    | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|--------------------|--------------------------|--------------|---------|---------|------------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Recvd Wt. kg | Ag ppm  | Au ppm  | Pass75um % | Pass2mm % | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm |
| W933001            |                          | 0.58         |         | 0.19    | 91.1       | 93.0      | <0.5     | 7.15     | <5       | 2420     | 1.7      | <2       | 4.53     | <0.5     | 23       | 124    |
| W933002            |                          | 0.84         |         | 0.01    | 84.4       |           | <0.5     | 2.99     | <5       | 50       | <0.5     | <2       | 3.10     | <0.5     | 94       | 1900   |
| W933003            |                          | 0.56         |         | 0.01    |            |           | <0.5     | 7.58     | <5       | 2030     | 2.4      | <2       | 3.46     | <0.5     | 20       | 101    |
| W933004            |                          | 0.27         |         | 0.02    |            | 54.7      | <0.5     | 7.82     | <5       | 2200     | 1.7      | <2       | 3.19     | <0.5     | 13       | 43     |
| W933005            |                          | 0.52         |         | 0.01    |            |           | <0.5     | 7.78     | <5       | 2630     | 2.1      | <2       | 3.03     | <0.5     | 13       | 32     |
| W933006            |                          | 0.21         |         | 0.53    |            |           | <0.5     | 6.94     | <5       | 1350     | 2.3      | <2       | 3.10     | <0.5     | 11       | 30     |
| W933007            |                          | 1.30         |         | <0.01   |            | 89.5      | <0.5     | 7.91     | <5       | 2670     | 2.0      | <2       | 2.62     | <0.5     | 13       | 35     |
| W933008            |                          | 1.17         |         | <0.01   |            |           | <0.5     | 8.05     | <5       | 2560     | 2.1      | <2       | 2.61     | <0.5     | 13       | 35     |
| W933009            |                          | 1.11         |         | 0.01    |            |           | <0.5     | 8.14     | <5       | 2460     | 2.1      | <2       | 2.67     | <0.5     | 13       | 36     |
| W933010            |                          | 0.14         |         | <0.01   |            |           | <0.5     | 2.13     | <5       | 80       | <0.5     | <2       | 0.03     | <0.5     | 1        | 18     |
| W933011            |                          | 0.75         |         | 0.01    |            |           | <0.5     | 8.19     | <5       | 2610     | 2.0      | <2       | 2.68     | <0.5     | 13       | 36     |
| W933012            |                          | 0.24         |         | 0.03    |            |           | <0.5     | 8.18     | <5       | 2730     | 2.0      | <2       | 2.74     | <0.5     | 13       | 36     |
| W933013            |                          | 1.50         |         | <0.01   |            |           | <0.5     | 8.23     | <5       | 2710     | 2.0      | <2       | 2.87     | <0.5     | 13       | 34     |
| W933014            |                          | 1.17         |         | 0.01    |            |           | <0.5     | 7.77     | <5       | 2720     | 2.0      | <2       | 2.80     | <0.5     | 14       | 33     |
| W933015            |                          | 1.03         |         | 0.01    |            |           | <0.5     | 7.88     | <5       | 2720     | 2.2      | <2       | 2.68     | <0.5     | 13       | 35     |
| W933016            |                          | 1.53         |         | 0.01    |            |           | 0.6      | 7.76     | 6        | 2610     | 2.1      | <2       | 2.94     | <0.5     | 14       | 39     |
| W933017            |                          | 1.50         |         | <0.01   |            |           | <0.5     | 7.92     | <5       | 2630     | 2.1      | <2       | 2.75     | <0.5     | 13       | 33     |
| W933018            |                          | 0.42         |         | 0.10    |            |           | <0.5     | 7.80     | <5       | 2810     | 2.0      | <2       | 3.05     | <0.5     | 12       | 33     |
| W933019            |                          | 0.55         |         | 0.32    |            |           | <0.5     | 7.26     | <5       | 2250     | 1.9      | <2       | 2.79     | <0.5     | 13       | 28     |
| W933020            |                          | 0.06         |         | 0.53    |            |           | <0.5     | 7.02     | 315      | 360      | 1.0      | <2       | 5.43     | <0.5     | 41       | 174    |
| W933021            |                          | 0.43         |         | 0.01    |            |           | <0.5     | 7.45     | <5       | 2660     | 1.9      | <2       | 2.20     | <0.5     | 11       | 31     |
| W933022            |                          | 0.46         |         | 0.04    |            |           | <0.5     | 7.19     | <5       | 2640     | 1.9      | 2        | 2.76     | <0.5     | 13       | 38     |
| W933023            |                          | 0.44         |         | 0.02    |            |           | <0.5     | 7.55     | <5       | 2670     | 2.0      | <2       | 2.48     | <0.5     | 14       | 40     |
| W933024            |                          | 0.72         |         | 0.01    |            |           | <0.5     | 7.65     | <5       | 2820     | 2.0      | <2       | 2.58     | <0.5     | 12       | 31     |
| W933025            |                          | 0.48         |         | 0.01    |            |           | <0.5     | 7.44     | <5       | 2500     | 1.8      | <2       | 2.50     | <0.5     | 13       | 36     |
| W933026            |                          | 0.35         |         | 2.31    |            |           | 0.8      | 6.58     | 5        | 1950     | 1.6      | <2       | 2.74     | <0.5     | 16       | 41     |
| W933027            |                          | 1.16         |         | 0.01    |            |           | <0.5     | 7.31     | <5       | 2600     | 1.7      | <2       | 2.71     | <0.5     | 11       | 32     |
| W933028            |                          | 1.16         |         | 0.01    |            |           | <0.5     | 7.35     | <5       | 3170     | 1.6      | <2       | 2.45     | <0.5     | 12       | 35     |
| W933029            |                          | 0.93         |         | 0.03    |            |           | <0.5     | 7.08     | <5       | 2750     | 1.6      | 2        | 3.72     | <0.5     | 13       | 61     |
| W933030            |                          | 0.18         |         | 0.01    |            |           | <0.5     | 0.80     | <5       | 40       | <0.5     | 2        | 0.04     | <0.5     | 1        | 14     |
| W933031            |                          | 1.02         |         | 0.04    |            |           | <0.5     | 6.86     | <5       | 2000     | 1.7      | <2       | 2.81     | <0.5     | 14       | 30     |
| W933032            |                          | 0.81         |         | 0.01    |            |           | <0.5     | 7.28     | <5       | 2370     | 1.7      | <2       | 2.06     | <0.5     | 11       | 30     |
| W933033            |                          | 0.41         |         | 0.01    |            |           | <0.5     | 7.40     | <5       | 2530     | 1.6      | 2        | 1.85     | <0.5     | 13       | 35     |
| W933034            |                          | 0.19         |         | 0.26    |            |           | <0.5     | 6.55     | <5       | 2100     | 1.7      | <2       | 2.25     | <0.5     | 11       | 36     |
| W933035            |                          | 0.26         |         | 0.02    |            |           | <0.5     | 7.09     | <5       | 2910     | 1.7      | 2        | 2.61     | <0.5     | 11       | 29     |
| W933036            |                          | 0.41         |         | <0.01   |            |           | <0.5     | 7.53     | <5       | 2960     | 1.6      | <2       | 2.71     | <0.5     | 10       | 29     |
| W933037            |                          | 0.52         |         | 0.01    |            |           | <0.5     | 7.58     | <5       | 2670     | 1.9      | <2       | 2.53     | <0.5     | 13       | 31     |
| W933038            |                          | 0.54         |         | <0.01   |            |           | <0.5     | 7.20     | <5       | 2860     | 1.6      | <2       | 2.65     | <0.5     | 11       | 29     |
| W933039            |                          | 0.38         |         | 0.02    |            |           | 0.9      | 7.12     | <5       | 420      | 1.6      | 2        | 3.11     | <0.5     | 25       | 27     |
| W933040            |                          | 0.06         |         | 0.51    |            |           | <0.5     | 7.04     | 313      | 360      | 1.1      | <2       | 5.41     | <0.5     | 40       | 172    |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Plus Appendix Pages  
 Finalized Date: 19-DEC-2019  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19301393**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |     |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|
|                    |                          | Cu       | Fe       | Ga       | K        | La       | Mg       | Mn       | Mo       | Na       | Ni       | P        | Pb       | S        | Sb       | Sc  |
|                    |                          | ppm      | %        | ppm      | %        | ppm      | %        | ppm      | ppm      | %        | ppm      | ppm      | ppm      | %        | ppm      | ppm |
|                    |                          | 1        | 0.01     | 10       | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1   |
| W933001            |                          | 16       | 4.05     | 20       | 1.45     | 50       | 2.70     | 749      | 1        | 4.18     | 87       | 1270     | 13       | 1.29     | <5       | 12  |
| W933002            |                          | 56       | 7.08     | 10       | 0.04     | <10      | 15.25    | 1030     | 1        | 0.02     | 1460     | 70       | 2        | 0.31     | <5       | 22  |
| W933003            |                          | 116      | 3.79     | 20       | 1.86     | 40       | 2.46     | 814      | 1        | 4.32     | 47       | 1450     | 34       | 0.42     | <5       | 14  |
| W933004            |                          | 8        | 3.15     | 20       | 2.71     | 50       | 1.49     | 626      | <1       | 3.67     | 22       | 1280     | 23       | 0.42     | <5       | 9   |
| W933005            |                          | 49       | 3.24     | 20       | 2.79     | 50       | 1.44     | 647      | <1       | 3.54     | 16       | 1340     | 24       | 0.12     | <5       | 9   |
| W933006            |                          | 108      | 2.65     | 20       | 2.83     | 50       | 0.96     | 423      | <1       | 2.47     | 12       | 1200     | 49       | 0.58     | <5       | 8   |
| W933007            |                          | 30       | 3.22     | 20       | 2.80     | 50       | 1.53     | 691      | <1       | 3.78     | 16       | 1340     | 24       | 0.05     | <5       | 9   |
| W933008            |                          | 20       | 3.31     | 20       | 2.77     | 50       | 1.52     | 712      | 1        | 3.84     | 17       | 1330     | 24       | 0.13     | <5       | 9   |
| W933009            |                          | 98       | 3.44     | 20       | 2.77     | 50       | 1.61     | 726      | <1       | 3.79     | 18       | 1390     | 20       | 0.06     | <5       | 10  |
| W933010            |                          | 2        | 1.41     | <10      | 0.19     | 20       | 0.03     | 63       | <1       | 0.05     | 4        | 60       | <2       | <0.01    | <5       | 1   |
| W933011            |                          | 7        | 3.39     | 20       | 2.76     | 50       | 1.58     | 705      | <1       | 3.84     | 17       | 1380     | 18       | 0.05     | <5       | 10  |
| W933012            |                          | 75       | 3.37     | 20       | 2.69     | 50       | 1.59     | 682      | <1       | 3.81     | 20       | 1350     | 26       | 0.10     | <5       | 10  |
| W933013            |                          | 10       | 3.33     | 20       | 2.75     | 50       | 1.53     | 707      | <1       | 3.88     | 16       | 1350     | 28       | 0.06     | <5       | 10  |
| W933014            |                          | 98       | 3.25     | 20       | 2.74     | 50       | 1.51     | 692      | <1       | 3.84     | 17       | 1380     | 36       | 0.06     | <5       | 9   |
| W933015            |                          | 92       | 3.17     | 20       | 2.69     | 50       | 1.51     | 682      | <1       | 3.81     | 18       | 1290     | 35       | 0.19     | <5       | 10  |
| W933016            |                          | 37       | 3.37     | 20       | 2.78     | 50       | 1.53     | 711      | 27       | 3.65     | 19       | 1300     | 75       | 0.33     | <5       | 10  |
| W933017            |                          | 17       | 3.17     | 20       | 2.66     | 50       | 1.49     | 675      | <1       | 3.76     | 18       | 1340     | 25       | 0.07     | 6        | 9   |
| W933018            |                          | 157      | 3.09     | 20       | 2.17     | 50       | 1.44     | 651      | 12       | 3.99     | 16       | 1380     | 34       | 0.45     | <5       | 9   |
| W933019            |                          | 66       | 2.85     | 20       | 2.69     | 40       | 1.20     | 590      | <1       | 3.57     | 15       | 1200     | 25       | 0.25     | <5       | 8   |
| W933020            |                          | 63       | 8.11     | 20       | 0.81     | 20       | 3.68     | 1560     | 3        | 2.04     | 133      | 1580     | 6        | 0.41     | <5       | 18  |
| W933021            |                          | 160      | 2.94     | 20       | 2.82     | 40       | 1.48     | 602      | 7        | 3.74     | 14       | 1280     | 31       | 0.17     | <5       | 8   |
| W933022            |                          | 38       | 3.15     | 20       | 2.48     | 40       | 1.48     | 649      | <1       | 3.67     | 17       | 1270     | 38       | 0.14     | <5       | 9   |
| W933023            |                          | 7        | 3.15     | 20       | 2.68     | 40       | 1.51     | 628      | <1       | 3.72     | 20       | 1280     | 64       | 0.05     | <5       | 9   |
| W933024            |                          | 9        | 3.11     | 20       | 2.65     | 40       | 1.45     | 660      | <1       | 3.75     | 16       | 1260     | 33       | 0.08     | <5       | 9   |
| W933025            |                          | 8        | 3.01     | 20       | 2.70     | 40       | 1.37     | 558      | <1       | 3.61     | 19       | 1220     | 21       | 0.10     | <5       | 8   |
| W933026            |                          | 10       | 3.04     | 20       | 1.89     | 30       | 1.15     | 517      | <1       | 3.45     | 16       | 1130     | 40       | 0.99     | <5       | 7   |
| W933027            |                          | 17       | 2.77     | 20       | 2.56     | 40       | 1.38     | 543      | <1       | 3.43     | 16       | 1230     | 22       | 0.05     | <5       | 8   |
| W933028            |                          | 27       | 2.97     | 20       | 2.60     | 40       | 1.77     | 548      | <1       | 3.44     | 19       | 1200     | 15       | 0.08     | <5       | 8   |
| W933029            |                          | 120      | 3.16     | 20       | 2.05     | 40       | 1.91     | 683      | 1        | 3.41     | 32       | 1130     | 99       | 0.44     | <5       | 9   |
| W933030            |                          | 2        | 0.80     | <10      | 0.09     | 10       | 0.03     | 49       | <1       | 0.03     | 3        | 60       | <2       | <0.01    | <5       | 1   |
| W933031            |                          | 48       | 3.15     | 20       | 2.40     | 30       | 1.71     | 580      | <1       | 3.42     | 16       | 1180     | 31       | 0.33     | <5       | 7   |
| W933032            |                          | 18       | 2.96     | 20       | 2.51     | 40       | 1.67     | 479      | <1       | 3.49     | 15       | 1170     | 19       | 0.08     | <5       | 8   |
| W933033            |                          | 14       | 2.94     | 20       | 2.56     | 40       | 1.61     | 458      | <1       | 3.53     | 17       | 1220     | 22       | 0.10     | <5       | 8   |
| W933034            |                          | 13       | 3.02     | 20       | 2.36     | 30       | 1.70     | 506      | <1       | 3.05     | 15       | 1130     | 12       | 0.31     | <5       | 7   |
| W933035            |                          | 20       | 2.95     | 20       | 2.53     | 30       | 1.68     | 544      | <1       | 3.42     | 14       | 1210     | 23       | 0.10     | <5       | 7   |
| W933036            |                          | 9        | 2.64     | 20       | 2.70     | 40       | 1.40     | 515      | <1       | 3.56     | 15       | 1210     | 23       | 0.04     | <5       | 8   |
| W933037            |                          | 31       | 3.15     | 20       | 2.69     | 40       | 1.47     | 603      | <1       | 3.68     | 17       | 1310     | 25       | 0.04     | <5       | 9   |
| W933038            |                          | 89       | 2.80     | 20       | 2.67     | 40       | 1.30     | 528      | 3        | 3.52     | 15       | 1210     | 30       | 0.12     | <5       | 8   |
| W933039            |                          | 288      | 4.27     | 20       | 2.85     | 40       | 1.31     | 580      | 3        | 3.13     | 18       | 1070     | 123      | 2.19     | <5       | 8   |
| W933040            |                          | 62       | 8.09     | 20       | 0.81     | 20       | 3.66     | 1545     | 2        | 2.03     | 132      | 1550     | 3        | 0.41     | <5       | 18  |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Plus Appendix Pages  
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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19301393**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |     |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|-----|
|                    |                          | Sr       | Th       | Ti       | Tl       | U        | V        | W        |     |
|                    |                          | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | ppm |
|                    |                          | 1        | 20       | 0.01     | 10       | 10       | 1        | 10       | 2   |
| W933001            |                          | 568      | <20      | 0.17     | <10      | <10      | 113      | <10      | 59  |
| W933002            |                          | 94       | <20      | 0.05     | <10      | <10      | 117      | <10      | 62  |
| W933003            |                          | 730      | <20      | 0.29     | <10      | <10      | 111      | <10      | 85  |
| W933004            |                          | 947      | <20      | 0.25     | <10      | <10      | 81       | 10       | 69  |
| W933005            |                          | 1120     | <20      | 0.25     | <10      | <10      | 88       | <10      | 67  |
| W933006            |                          | 417      | <20      | 0.23     | <10      | <10      | 83       | <10      | 52  |
| W933007            |                          | 1310     | <20      | 0.25     | <10      | <10      | 84       | <10      | 74  |
| W933008            |                          | 1235     | 20       | 0.25     | <10      | <10      | 84       | <10      | 76  |
| W933009            |                          | 1250     | <20      | 0.26     | <10      | <10      | 90       | <10      | 77  |
| W933010            |                          | 51       | <20      | 0.06     | <10      | <10      | 8        | <10      | 3   |
| W933011            |                          | 1190     | 20       | 0.26     | <10      | <10      | 90       | <10      | 74  |
| W933012            |                          | 1070     | <20      | 0.26     | <10      | <10      | 88       | <10      | 81  |
| W933013            |                          | 1340     | <20      | 0.26     | <10      | <10      | 86       | <10      | 73  |
| W933014            |                          | 1425     | 20       | 0.26     | <10      | <10      | 91       | <10      | 72  |
| W933015            |                          | 1010     | 20       | 0.25     | <10      | <10      | 88       | <10      | 72  |
| W933016            |                          | 1215     | 20       | 0.25     | <10      | <10      | 86       | <10      | 73  |
| W933017            |                          | 1420     | 20       | 0.25     | <10      | <10      | 85       | <10      | 74  |
| W933018            |                          | 915      | <20      | 0.24     | <10      | <10      | 84       | <10      | 71  |
| W933019            |                          | 793      | <20      | 0.22     | <10      | <10      | 79       | <10      | 61  |
| W933020            |                          | 378      | <20      | 0.93     | <10      | <10      | 145      | <10      | 115 |
| W933021            |                          | 1120     | <20      | 0.23     | <10      | <10      | 85       | <10      | 73  |
| W933022            |                          | 1025     | <20      | 0.24     | <10      | <10      | 81       | <10      | 70  |
| W933023            |                          | 1320     | 20       | 0.24     | <10      | <10      | 83       | <10      | 69  |
| W933024            |                          | 1440     | 20       | 0.24     | <10      | <10      | 80       | <10      | 67  |
| W933025            |                          | 961      | <20      | 0.23     | <10      | <10      | 81       | <10      | 62  |
| W933026            |                          | 489      | <20      | 0.17     | <10      | <10      | 69       | <10      | 51  |
| W933027            |                          | 977      | <20      | 0.23     | <10      | <10      | 77       | <10      | 60  |
| W933028            |                          | 904      | <20      | 0.23     | <10      | <10      | 80       | <10      | 73  |
| W933029            |                          | 568      | <20      | 0.22     | <10      | <10      | 76       | <10      | 79  |
| W933030            |                          | 35       | <20      | 0.03     | <10      | <10      | 5        | <10      | 3   |
| W933031            |                          | 586      | <20      | 0.20     | <10      | <10      | 73       | <10      | 75  |
| W933032            |                          | 680      | <20      | 0.21     | <10      | <10      | 73       | <10      | 71  |
| W933033            |                          | 852      | <20      | 0.21     | <10      | <10      | 76       | <10      | 69  |
| W933034            |                          | 553      | <20      | 0.18     | <10      | <10      | 76       | <10      | 74  |
| W933035            |                          | 780      | <20      | 0.21     | <10      | <10      | 75       | <10      | 74  |
| W933036            |                          | 1080     | <20      | 0.23     | <10      | <10      | 76       | <10      | 63  |
| W933037            |                          | 1080     | <20      | 0.24     | 10       | <10      | 82       | <10      | 68  |
| W933038            |                          | 1055     | <20      | 0.23     | <10      | <10      | 77       | <10      | 64  |
| W933039            |                          | 917      | <20      | 0.19     | <10      | <10      | 73       | <10      | 64  |
| W933040            |                          | 375      | <20      | 0.93     | <10      | <10      | 144      | <10      | 113 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19301393**

| Sample Description | Method Analyte Units LOD | WEI-21       | Ag-OG62 | Au-AA26 | PUL-QC     | CRU-QC    | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|--------------------|--------------------------|--------------|---------|---------|------------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Recvd Wt. kg | Ag ppm  | Au ppm  | Pass75um % | Pass2mm % | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm |
|                    |                          | 0.02         | 1       | 0.01    | 0.01       | 0.01      | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1      |
| W933041            |                          | 1.00         |         | 0.03    | 89.3       | 86.0      | <0.5     | 7.73     | <5       | 2610     | 1.7      | <2       | 2.74     | <0.5     | 12       | 31     |
| W933042            |                          | 0.39         |         | 0.02    | 88.7       |           | <0.5     | 7.49     | <5       | 2490     | 1.8      | 2        | 2.86     | <0.5     | 11       | 29     |
| W933043            |                          | 0.91         |         | 0.01    |            |           | <0.5     | 7.42     | <5       | 2570     | 1.8      | <2       | 2.61     | <0.5     | 11       | 30     |
| W933044            |                          | 0.59         |         | 0.02    |            |           | <0.5     | 7.44     | <5       | 2970     | 2.1      | <2       | 2.31     | <0.5     | 11       | 31     |
| W933045            |                          | 0.40         |         | 0.04    |            |           | <0.5     | 7.10     | <5       | 2670     | 2.1      | <2       | 4.34     | <0.5     | 13       | 43     |
| W933046            |                          | 0.65         |         | <0.01   |            |           | <0.5     | 7.41     | <5       | 2290     | 1.6      | <2       | 1.93     | <0.5     | 10       | 29     |
| W933047            |                          | 0.74         |         | 0.20    |            |           | <0.5     | 6.45     | <5       | 2330     | 1.6      | <2       | 3.22     | <0.5     | 10       | 26     |
| W933048            |                          | 0.56         |         | 0.01    |            |           | <0.5     | 7.02     | <5       | 2450     | 1.9      | 2        | 2.80     | <0.5     | 12       | 29     |
| W933049            |                          | 0.68         |         | 0.01    |            |           | <0.5     | 7.42     | <5       | 2410     | 1.8      | <2       | 2.42     | <0.5     | 12       | 29     |
| W933050            |                          | 0.23         |         | <0.01   |            |           | <0.5     | 0.77     | <5       | 40       | <0.5     | <2       | 0.03     | <0.5     | 1        | 16     |
| W933051            |                          | 0.25         |         | 0.02    |            |           | <0.5     | 6.78     | <5       | 2610     | 1.9      | <2       | 3.43     | <0.5     | 10       | 27     |
| W933052            |                          | 0.28         |         | 5.07    |            |           | 0.7      | 6.92     | <5       | 2020     | 2.1      | <2       | 3.71     | <0.5     | 10       | 29     |
| W933053            |                          | 0.46         |         | 0.02    |            |           | <0.5     | 7.53     | <5       | 2700     | 1.7      | <2       | 2.42     | <0.5     | 11       | 29     |
| W933054            |                          | 0.63         |         | 0.01    |            |           | <0.5     | 7.44     | <5       | 2660     | 1.7      | <2       | 2.50     | <0.5     | 12       | 30     |
| W933055            |                          | 0.38         |         | 1.22    |            |           | <0.5     | 8.05     | <5       | 2810     | 1.8      | 5        | 2.77     | <0.5     | 14       | 28     |
| W933056            |                          | 0.61         |         | 0.01    |            |           | <0.5     | 8.17     | <5       | 2520     | 2.0      | 4        | 2.75     | <0.5     | 13       | 32     |
| W933057            |                          | 0.59         |         | 0.06    |            |           | <0.5     | 7.99     | <5       | 2660     | 1.9      | <2       | 2.50     | <0.5     | 14       | 30     |
| W933058            |                          | 0.41         |         | 0.59    |            |           | <0.5     | 7.56     | <5       | 2660     | 1.9      | 2        | 3.43     | <0.5     | 13       | 28     |
| W933059            |                          | 0.54         |         | 0.02    |            |           | <0.5     | 7.91     | 6        | 2640     | 2.0      | <2       | 2.99     | <0.5     | 11       | 29     |
| W933060            |                          | 0.06         |         | 0.52    |            |           | <0.5     | 7.31     | 324      | 370      | 1.1      | <2       | 5.62     | <0.5     | 44       | 185    |
| W933061            |                          | 0.61         |         | 0.01    |            |           | <0.5     | 8.16     | <5       | 2450     | 2.1      | <2       | 2.94     | <0.5     | 12       | 31     |
| W933062            |                          | 0.55         |         | 0.01    |            |           | <0.5     | 8.20     | <5       | 2650     | 1.9      | <2       | 2.52     | <0.5     | 12       | 39     |
| W933063            |                          | 0.23         |         | 0.49    |            |           | <0.5     | 8.28     | <5       | 2490     | 2.0      | <2       | 2.75     | <0.5     | 14       | 36     |
| W933064            |                          | 0.37         |         | 0.01    |            |           | <0.5     | 7.97     | <5       | 2580     | 1.9      | 2        | 2.41     | <0.5     | 13       | 33     |
| W933065            |                          | 0.23         |         | 0.95    |            |           | <0.5     | 8.00     | <5       | 2580     | 2.1      | <2       | 3.73     | <0.5     | 12       | 30     |
| W933066            |                          | 0.36         |         | 0.01    |            |           | <0.5     | 8.12     | <5       | 2560     | 1.9      | <2       | 2.34     | <0.5     | 13       | 31     |
| W933067            |                          | 0.34         |         | 0.01    |            |           | <0.5     | 8.20     | <5       | 3110     | 1.9      | <2       | 2.07     | <0.5     | 14       | 31     |
| W933068            |                          | 0.25         |         | 0.05    |            |           | <0.5     | 8.45     | <5       | 2880     | 2.1      | <2       | 3.27     | <0.5     | 13       | 33     |
| W933069            |                          | 0.29         |         | 2.78    |            |           | 1.1      | 6.71     | <5       | 2090     | 2.0      | <2       | 3.54     | <0.5     | 11       | 26     |
| W933070            |                          | 0.22         |         | <0.01   |            |           | <0.5     | 0.97     | <5       | 20       | <0.5     | <2       | 0.03     | <0.5     | 1        | 14     |
| W933071            |                          | 0.58         |         | 0.01    |            |           | <0.5     | 9.01     | <5       | 2980     | 2.1      | 2        | 2.60     | <0.5     | 14       | 37     |
| W933072            |                          | 0.22         |         | 0.32    |            |           | <0.5     | 8.25     | <5       | 2990     | 2.3      | <2       | 3.72     | <0.5     | 13       | 33     |
| W933073            |                          | 0.72         |         | <0.01   |            |           | <0.5     | 8.92     | <5       | 3100     | 2.2      | <2       | 2.33     | <0.5     | 14       | 34     |
| W933074            |                          | 0.66         |         | <0.01   |            |           | <0.5     | 8.34     | <5       | 2670     | 1.9      | <2       | 2.12     | <0.5     | 13       | 30     |
| W933075            |                          | 0.55         |         | 0.01    |            |           | <0.5     | 7.90     | <5       | 2540     | 1.9      | <2       | 2.46     | <0.5     | 12       | 29     |
| W933076            |                          | 0.89         |         | 0.07    |            |           | <0.5     | 7.98     | <5       | 2790     | 1.8      | <2       | 2.64     | <0.5     | 12       | 30     |
| W933077            |                          | 0.58         |         | 0.01    |            |           | <0.5     | 8.07     | <5       | 2430     | 1.8      | <2       | 2.30     | <0.5     | 11       | 29     |
| W933078            |                          | 0.56         |         | <0.01   |            |           | <0.5     | 7.84     | <5       | 3080     | 1.9      | <2       | 2.89     | <0.5     | 11       | 27     |
| W933079            |                          | 0.38         |         | 0.09    |            |           | <0.5     | 7.28     | <5       | 2370     | 2.0      | <2       | 3.07     | <0.5     | 10       | 31     |
| W933080            |                          | 0.05         |         | 0.52    |            |           | <0.5     | 7.11     | 308      | 360      | 1.0      | 5        | 5.42     | <0.5     | 40       | 173    |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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**CERTIFICATE OF ANALYSIS TM19301393**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Cu ppm   | Fe %     | Ga ppm   | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm |
| W933041            |                          | 16       | 2.79     | 20       | 2.74     | 40       | 1.31     | 530      | <1       | 3.53     | 16       | 1230     | 26       | 0.10     | <5       | 9      |
| W933042            |                          | 7        | 2.86     | 20       | 2.50     | 40       | 1.38     | 544      | <1       | 3.70     | 15       | 1230     | 23       | 0.18     | <5       | 8      |
| W933043            |                          | 9        | 2.91     | 20       | 2.68     | 40       | 1.43     | 570      | <1       | 3.45     | 14       | 1160     | 25       | 0.03     | <5       | 8      |
| W933044            |                          | 98       | 2.82     | 20       | 2.91     | 40       | 1.43     | 541      | <1       | 3.40     | 15       | 1170     | 28       | 0.51     | <5       | 8      |
| W933045            |                          | 87       | 2.50     | 20       | 2.20     | 40       | 1.10     | 746      | <1       | 3.29     | 13       | 1210     | 7        | 0.50     | <5       | 9      |
| W933046            |                          | 31       | 2.95     | 20       | 2.70     | 30       | 1.53     | 448      | <1       | 3.51     | 15       | 1160     | 14       | 0.14     | <5       | 7      |
| W933047            |                          | 126      | 2.57     | 20       | 2.49     | 30       | 1.22     | 579      | <1       | 3.28     | 12       | 1080     | 21       | 0.50     | <5       | 7      |
| W933048            |                          | 239      | 2.73     | 20       | 2.66     | 30       | 1.12     | 504      | <1       | 3.68     | 13       | 1180     | 20       | 0.45     | <5       | 7      |
| W933049            |                          | 54       | 2.75     | 20       | 2.61     | 40       | 1.28     | 505      | <1       | 3.52     | 14       | 1140     | 24       | 0.15     | <5       | 8      |
| W933050            |                          | 1        | 0.93     | <10      | 0.08     | 10       | 0.02     | 45       | 1        | 0.03     | 2        | 40       | <2       | <0.01    | <5       | 1      |
| W933051            |                          | 113      | 2.67     | 20       | 2.27     | 30       | 0.87     | 551      | <1       | 3.90     | 14       | 1110     | 20       | 0.84     | <5       | 7      |
| W933052            |                          | 121      | 3.20     | 20       | 2.26     | 40       | 1.22     | 610      | 4        | 2.92     | 15       | 1250     | 63       | 1.21     | <5       | 7      |
| W933053            |                          | 62       | 2.84     | 20       | 2.82     | 40       | 1.27     | 498      | <1       | 3.54     | 15       | 1230     | 28       | 0.16     | <5       | 8      |
| W933054            |                          | 10       | 2.68     | 20       | 2.62     | 40       | 1.28     | 534      | <1       | 3.66     | 15       | 1170     | 24       | 0.06     | <5       | 8      |
| W933055            |                          | 22       | 3.14     | 20       | 2.35     | 50       | 1.28     | 561      | 1        | 3.92     | 17       | 1220     | 31       | 0.63     | <5       | 9      |
| W933056            |                          | 20       | 3.03     | 20       | 2.76     | 50       | 1.41     | 639      | <1       | 3.76     | 16       | 1200     | 21       | 0.07     | <5       | 9      |
| W933057            |                          | 14       | 2.96     | 20       | 2.70     | 50       | 1.36     | 583      | 1        | 3.69     | 18       | 1220     | 23       | 0.14     | <5       | 9      |
| W933058            |                          | 109      | 2.85     | 20       | 2.62     | 50       | 0.90     | 538      | <1       | 3.67     | 17       | 1160     | 40       | 0.89     | <5       | 8      |
| W933059            |                          | 59       | 2.90     | 20       | 3.17     | 50       | 1.19     | 558      | <1       | 3.43     | 16       | 1200     | 19       | 0.22     | <5       | 9      |
| W933060            |                          | 64       | 8.37     | 20       | 0.86     | 20       | 3.80     | 1630     | 2        | 2.10     | 139      | 1650     | 5        | 0.42     | <5       | 18     |
| W933061            |                          | 23       | 3.03     | 20       | 2.91     | 50       | 1.40     | 617      | <1       | 3.53     | 17       | 1210     | 25       | 0.13     | <5       | 9      |
| W933062            |                          | 9        | 3.13     | 20       | 2.87     | 50       | 1.53     | 547      | <1       | 3.66     | 19       | 1260     | 24       | 0.07     | <5       | 9      |
| W933063            |                          | 10       | 3.29     | 20       | 2.81     | 50       | 1.39     | 526      | <1       | 3.76     | 20       | 1360     | 27       | 0.28     | <5       | 9      |
| W933064            |                          | 14       | 3.11     | 20       | 2.72     | 50       | 1.47     | 607      | <1       | 3.62     | 17       | 1280     | 25       | 0.03     | <5       | 9      |
| W933065            |                          | 29       | 2.75     | 20       | 2.16     | 50       | 1.13     | 659      | <1       | 4.04     | 16       | 1250     | 28       | 0.72     | <5       | 9      |
| W933066            |                          | 17       | 3.01     | 20       | 2.88     | 50       | 1.45     | 595      | <1       | 3.71     | 17       | 1200     | 20       | 0.03     | <5       | 9      |
| W933067            |                          | 63       | 3.04     | 20       | 3.66     | 50       | 1.38     | 600      | 2        | 3.45     | 17       | 1240     | 17       | 0.28     | <5       | 10     |
| W933068            |                          | 87       | 2.86     | 20       | 3.52     | 50       | 1.21     | 640      | 1        | 3.60     | 16       | 1270     | 22       | 0.22     | <5       | 10     |
| W933069            |                          | 48       | 2.48     | 20       | 2.52     | 50       | 0.70     | 566      | <1       | 2.67     | 14       | 1030     | 39       | 1.15     | <5       | 7      |
| W933070            |                          | 2        | 0.88     | <10      | 0.05     | 10       | 0.02     | 47       | <1       | 0.03     | 1        | 30       | 3        | <0.01    | <5       | 1      |
| W933071            |                          | 25       | 3.42     | 20       | 3.09     | 50       | 1.68     | 646      | <1       | 4.05     | 20       | 1400     | 22       | 0.07     | <5       | 10     |
| W933072            |                          | 15       | 3.19     | 20       | 2.60     | 50       | 1.36     | 732      | <1       | 3.76     | 17       | 1230     | 21       | 0.65     | 5        | 9      |
| W933073            |                          | 13       | 3.29     | 20       | 3.14     | 50       | 1.70     | 598      | <1       | 4.09     | 14       | 1370     | 20       | 0.07     | <5       | 10     |
| W933074            |                          | 6        | 3.00     | 20       | 2.93     | 50       | 1.49     | 538      | <1       | 3.77     | 15       | 1240     | 16       | 0.05     | <5       | 9      |
| W933075            |                          | 19       | 2.85     | 20       | 2.69     | 50       | 1.38     | 593      | <1       | 3.59     | 16       | 1170     | 18       | 0.20     | <5       | 9      |
| W933076            |                          | 10       | 3.04     | 20       | 2.62     | 50       | 1.41     | 587      | <1       | 3.61     | 17       | 1190     | 24       | 0.17     | <5       | 9      |
| W933077            |                          | 4        | 2.73     | 20       | 2.85     | 50       | 1.31     | 496      | <1       | 3.60     | 14       | 1210     | 15       | 0.05     | <5       | 9      |
| W933078            |                          | 18       | 2.91     | 20       | 2.72     | 50       | 1.36     | 551      | <1       | 3.65     | 16       | 1180     | 19       | 0.20     | <5       | 9      |
| W933079            |                          | 16       | 2.72     | 20       | 2.20     | 50       | 1.14     | 540      | 4        | 3.57     | 14       | 1120     | 6        | 0.57     | <5       | 8      |
| W933080            |                          | 62       | 8.14     | 20       | 0.82     | 20       | 3.69     | 1560     | 2        | 2.04     | 132      | 1570     | <2       | 0.40     | <5       | 18     |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19301393**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61 | ME-ICP61 | ME-ICP61 |          |
|--------------------|--------------------------|----------|-----------|-----------|-----------|----------|----------|----------|----------|
|                    |                          | Sr ppm 1 | Th ppm 20 | Ti % 0.01 | Tl ppm 10 | U ppm 10 | V ppm 1  | W ppm 10 | Zn ppm 2 |
| W933041            |                          | 1010     | <20       | 0.23      | <10       | <10      | 78       | <10      | 59       |
| W933042            |                          | 990      | <20       | 0.22      | <10       | <10      | 79       | <10      | 61       |
| W933043            |                          | 1030     | 20        | 0.21      | <10       | <10      | 75       | <10      | 64       |
| W933044            |                          | 602      | <20       | 0.18      | <10       | <10      | 78       | <10      | 68       |
| W933045            |                          | 505      | <20       | 0.20      | <10       | <10      | 79       | 10       | 51       |
| W933046            |                          | 679      | <20       | 0.19      | <10       | <10      | 71       | <10      | 68       |
| W933047            |                          | 579      | <20       | 0.17      | <10       | <10      | 70       | <10      | 62       |
| W933048            |                          | 747      | <20       | 0.18      | <10       | <10      | 81       | <10      | 64       |
| W933049            |                          | 953      | <20       | 0.21      | <10       | <10      | 73       | <10      | 60       |
| W933050            |                          | 26       | <20       | 0.03      | <10       | <10      | 6        | <10      | 2        |
| W933051            |                          | 679      | <20       | 0.17      | <10       | <10      | 78       | <10      | 46       |
| W933052            |                          | 412      | <20       | 0.16      | <10       | <10      | 74       | <10      | 57       |
| W933053            |                          | 1060     | <20       | 0.22      | <10       | <10      | 80       | <10      | 59       |
| W933054            |                          | 1075     | <20       | 0.22      | <10       | <10      | 74       | <10      | 57       |
| W933055            |                          | 993      | 20        | 0.20      | <10       | <10      | 75       | <10      | 58       |
| W933056            |                          | 1065     | 20        | 0.23      | <10       | <10      | 78       | <10      | 64       |
| W933057            |                          | 1125     | 20        | 0.22      | <10       | <10      | 76       | <10      | 62       |
| W933058            |                          | 594      | <20       | 0.18      | <10       | <10      | 84       | <10      | 53       |
| W933059            |                          | 656      | 20        | 0.21      | <10       | <10      | 76       | <10      | 63       |
| W933060            |                          | 387      | <20       | 0.95      | <10       | <10      | 154      | <10      | 117      |
| W933061            |                          | 864      | 20        | 0.21      | <10       | <10      | 77       | <10      | 65       |
| W933062            |                          | 1125     | 20        | 0.24      | <10       | <10      | 81       | <10      | 64       |
| W933063            |                          | 1090     | 20        | 0.23      | <10       | <10      | 85       | <10      | 63       |
| W933064            |                          | 1340     | 20        | 0.24      | <10       | <10      | 80       | <10      | 66       |
| W933065            |                          | 603      | <20       | 0.19      | <10       | <10      | 87       | <10      | 57       |
| W933066            |                          | 1365     | 20        | 0.22      | <10       | <10      | 75       | <10      | 66       |
| W933067            |                          | 1330     | 20        | 0.22      | <10       | <10      | 79       | <10      | 63       |
| W933068            |                          | 851      | 20        | 0.22      | <10       | <10      | 85       | <10      | 61       |
| W933069            |                          | 303      | <20       | 0.17      | <10       | <10      | 87       | <10      | 40       |
| W933070            |                          | 19       | <20       | 0.03      | <10       | <10      | 4        | <10      | 2        |
| W933071            |                          | 1310     | 20        | 0.25      | <10       | <10      | 89       | <10      | 71       |
| W933072            |                          | 691      | 20        | 0.23      | <10       | <10      | 97       | <10      | 68       |
| W933073            |                          | 1380     | 20        | 0.25      | <10       | <10      | 86       | <10      | 65       |
| W933074            |                          | 1305     | 20        | 0.23      | <10       | <10      | 80       | <10      | 59       |
| W933075            |                          | 1095     | 20        | 0.22      | <10       | <10      | 78       | <10      | 59       |
| W933076            |                          | 1030     | 20        | 0.22      | <10       | <10      | 78       | <10      | 62       |
| W933077            |                          | 1150     | 20        | 0.22      | <10       | <10      | 79       | <10      | 52       |
| W933078            |                          | 818      | 20        | 0.19      | <10       | <10      | 77       | <10      | 65       |
| W933079            |                          | 521      | <20       | 0.19      | <10       | <10      | 77       | <10      | 56       |
| W933080            |                          | 378      | <20       | 0.94      | <10       | <10      | 149      | <10      | 113      |





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19301393**

| Sample Description | Method Analyte Units LOD | WEI-21       | Ag-OG62 | Au-AA26 | PUL-QC     | CRU-QC    | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|--------------------|--------------------------|--------------|---------|---------|------------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Recvd Wt. kg | Ag ppm  | Au ppm  | Pass75um % | Pass2mm % | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm |
| W933081            |                          | 1.14         |         | <0.01   | 88.6       | 81.0      | <0.5     | 7.94     | <5       | 2440     | 1.9      | <2       | 2.40     | <0.5     | 12       | 47     |
| W933082            |                          | 0.80         |         | 0.01    | 90.5       |           | <0.5     | 7.93     | <5       | 2480     | 1.9      | 2        | 2.53     | <0.5     | 12       | 28     |
| W933083            |                          | 1.30         |         | <0.01   |            |           | <0.5     | 8.09     | <5       | 2590     | 2.0      | <2       | 2.49     | <0.5     | 13       | 29     |
| W933084            |                          | 0.53         |         | <0.01   |            |           | <0.5     | 8.09     | <5       | 2600     | 2.0      | <2       | 2.43     | <0.5     | 13       | 30     |
| W933085            |                          | 0.49         |         | <0.01   |            |           | <0.5     | 8.01     | <5       | 2650     | 2.0      | 2        | 2.22     | <0.5     | 12       | 29     |
| W933086            |                          | 0.26         |         | 0.27    |            |           | <0.5     | 7.56     | <5       | 2470     | 2.0      | <2       | 2.81     | <0.5     | 12       | 30     |
| W933087            |                          | 0.27         |         | 0.03    |            |           | <0.5     | 8.17     | <5       | 2690     | 2.0      | <2       | 2.36     | <0.5     | 13       | 28     |
| W933088            |                          | 0.38         |         | 0.06    |            |           | <0.5     | 7.52     | <5       | 2530     | 2.1      | <2       | 2.50     | <0.5     | 11       | 27     |
| W933089            |                          | 0.45         |         | 0.09    |            |           | <0.5     | 7.43     | <5       | 2550     | 1.9      | <2       | 2.45     | <0.5     | 12       | 27     |
| W933090            |                          | 0.27         |         | <0.01   |            |           | <0.5     | 1.03     | <5       | 20       | <0.5     | <2       | 0.02     | <0.5     | 1        | 17     |
| W933091            |                          | 0.54         |         | 0.01    |            |           | <0.5     | 7.73     | <5       | 2460     | 2.1      | <2       | 2.38     | <0.5     | 11       | 30     |
| W933092            |                          | 0.57         |         | 0.01    |            |           | 0.6      | 7.67     | <5       | 2670     | 2.0      | <2       | 2.16     | <0.5     | 11       | 28     |
| W933093            |                          | 0.78         |         | 0.01    |            |           | <0.5     | 7.91     | <5       | 2550     | 2.1      | <2       | 2.23     | <0.5     | 11       | 35     |
| W933094            |                          | 0.28         |         | 0.05    |            |           | 0.5      | 6.90     | <5       | 2730     | 1.9      | <2       | 3.13     | <0.5     | 11       | 27     |
| W933095            |                          | 0.39         |         | 0.06    |            |           | <0.5     | 6.98     | <5       | 2320     | 1.9      | <2       | 2.70     | <0.5     | 10       | 29     |
| W933096            |                          | 0.20         |         | 2.44    |            |           | 2.4      | 3.87     | <5       | 1170     | 1.1      | 6        | 1.48     | <0.5     | 5        | 21     |
| W933097            |                          | 0.26         |         | 0.20    |            |           | 1.1      | 7.12     | <5       | 2160     | 1.8      | <2       | 2.69     | <0.5     | 11       | 28     |
| W933098            |                          | 0.26         |         | 0.07    |            |           | 0.6      | 7.05     | <5       | 760      | 1.9      | <2       | 3.87     | <0.5     | 12       | 27     |
| W933099            |                          | 0.28         |         | 0.02    |            |           | 0.5      | 6.51     | <5       | 1820     | 1.7      | <2       | 3.83     | <0.5     | 10       | 26     |
| W933100            |                          | 0.05         |         | 1.23    |            |           | <0.5     | 6.66     | 760      | 440      | 1.0      | 2        | 5.32     | <0.5     | 37       | 176    |
| W933101            |                          | 0.28         |         | 0.02    |            |           | 0.7      | 6.73     | <5       | 260      | 1.7      | <2       | 2.92     | <0.5     | 12       | 28     |
| W933102            |                          | 0.29         |         | 0.02    |            |           | 1.1      | 6.60     | <5       | 1240     | 1.8      | 3        | 4.56     | <0.5     | 9        | 27     |
| W933103            |                          | 0.24         |         | 0.01    |            |           | 0.5      | 7.12     | <5       | 2640     | 2.0      | <2       | 3.61     | <0.5     | 10       | 30     |
| W933104            |                          | 0.31         |         | 0.09    |            |           | 2.9      | 6.88     | <5       | 760      | 2.1      | 4        | 5.23     | <0.5     | 12       | 27     |
| W933105            |                          | 0.42         |         | 0.02    |            |           | 1.0      | 7.91     | <5       | 1510     | 2.2      | <2       | 3.45     | <0.5     | 12       | 35     |
| W933106            |                          | 0.54         |         | 0.01    |            |           | <0.5     | 7.85     | <5       | 2970     | 1.9      | <2       | 2.33     | <0.5     | 10       | 34     |
| W933107            |                          | 0.26         |         | 0.02    |            |           | 0.6      | 7.59     | <5       | 2510     | 1.8      | <2       | 3.11     | <0.5     | 18       | 34     |
| W933108            |                          | 0.75         |         | 0.01    |            |           | <0.5     | 6.92     | <5       | 2970     | 1.8      | <2       | 4.35     | <0.5     | 11       | 31     |
| W933109            |                          | 0.44         |         | 0.10    |            |           | <0.5     | 6.91     | <5       | 2530     | 1.8      | <2       | 4.68     | <0.5     | 8        | 31     |
| W933110            |                          | 0.21         |         | <0.01   |            |           | <0.5     | 0.53     | <5       | 40       | <0.5     | <2       | 0.04     | <0.5     | <1       | 17     |
| W933111            |                          | 0.97         |         | 0.01    |            | 92.9      | <0.5     | 7.57     | <5       | 2930     | 2.0      | <2       | 2.94     | <0.5     | 10       | 40     |
| W933112            |                          | 0.91         |         | <0.01   |            |           | <0.5     | 7.66     | <5       | 2740     | 2.2      | <2       | 2.45     | <0.5     | 13       | 53     |
| W933113            |                          | 0.84         |         | 0.02    |            |           | <0.5     | 7.31     | <5       | 2360     | 2.0      | <2       | 2.44     | <0.5     | 12       | 54     |
| W933114            |                          | 0.65         |         | 0.06    |            |           | 0.5      | 6.63     | <5       | 2350     | 2.1      | <2       | 2.98     | <0.5     | 12       | 51     |
| W933115            |                          | 0.89         |         | <0.01   |            |           | <0.5     | 7.66     | <5       | 2240     | 2.2      | <2       | 2.55     | <0.5     | 13       | 63     |
| W933116            |                          | 1.27         |         | <0.01   |            |           | <0.5     | 7.54     | <5       | 2280     | 2.3      | <2       | 2.69     | <0.5     | 12       | 60     |
| W933117            |                          | 1.01         |         | <0.01   |            |           | <0.5     | 7.59     | <5       | 2290     | 2.4      | <2       | 2.70     | <0.5     | 12       | 64     |
| W933118            |                          | 0.79         |         | <0.01   |            |           | <0.5     | 7.53     | <5       | 2240     | 2.2      | <2       | 2.79     | <0.5     | 13       | 72     |
| W933119            |                          | 0.57         |         | <0.01   |            |           | <0.5     | 7.02     | <5       | 1970     | 2.3      | <2       | 3.05     | <0.5     | 15       | 107    |
| W933120            |                          | 0.06         |         | 0.51    |            |           | 0.5      | 7.35     | 301      | 370      | 1.1      | <2       | 5.45     | <0.5     | 38       | 178    |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 VANCOUVER BC V6C 2V6

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|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Cu ppm   | Fe %     | Ga ppm   | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm |
| W933081            |                          | 24       | 2.93     | 20       | 2.79     | 50       | 1.43     | 570      | <1       | 3.51     | 27       | 1160     | 23       | 0.10     | <5       | 9      |
| W933082            |                          | 7        | 2.83     | 20       | 2.70     | 50       | 1.29     | 562      | <1       | 3.63     | 16       | 1150     | 29       | 0.14     | <5       | 8      |
| W933083            |                          | 19       | 2.93     | 20       | 2.73     | 50       | 1.35     | 584      | <1       | 3.70     | 16       | 1160     | 29       | 0.10     | <5       | 9      |
| W933084            |                          | 16       | 3.03     | 20       | 2.79     | 50       | 1.39     | 618      | <1       | 3.67     | 15       | 1190     | 49       | 0.04     | <5       | 9      |
| W933085            |                          | 68       | 2.89     | 20       | 2.86     | 50       | 1.32     | 588      | <1       | 3.72     | 16       | 1170     | 17       | 0.03     | <5       | 8      |
| W933086            |                          | 28       | 2.81     | 20       | 2.54     | 50       | 1.24     | 630      | <1       | 3.40     | 15       | 1130     | 40       | 0.23     | <5       | 8      |
| W933087            |                          | 8        | 2.99     | 20       | 2.93     | 50       | 1.38     | 613      | <1       | 3.73     | 15       | 1190     | 41       | 0.05     | <5       | 9      |
| W933088            |                          | 23       | 2.73     | 20       | 2.63     | 50       | 1.12     | 472      | <1       | 3.36     | 16       | 1070     | 20       | 0.65     | <5       | 8      |
| W933089            |                          | 29       | 2.65     | 20       | 1.98     | 50       | 1.16     | 539      | <1       | 3.89     | 14       | 1060     | 17       | 0.94     | <5       | 8      |
| W933090            |                          | 1        | 0.70     | <10      | 0.05     | 10       | 0.01     | 33       | <1       | 0.02     | 2        | 50       | <2       | <0.01    | <5       | 1      |
| W933091            |                          | 10       | 2.96     | 20       | 2.78     | 40       | 1.39     | 574      | 1        | 3.76     | 17       | 1200     | 25       | 0.19     | <5       | 8      |
| W933092            |                          | 32       | 2.98     | 20       | 2.53     | 40       | 1.36     | 546      | <1       | 3.78     | 15       | 1170     | 39       | 0.73     | <5       | 8      |
| W933093            |                          | 17       | 3.21     | 20       | 2.89     | 50       | 1.43     | 586      | <1       | 3.71     | 13       | 1190     | 29       | 0.17     | 5        | 9      |
| W933094            |                          | 30       | 2.70     | 20       | 2.56     | 30       | 0.90     | 573      | 1        | 3.67     | 12       | 1140     | 15       | 0.86     | <5       | 7      |
| W933095            |                          | 45       | 2.63     | 20       | 2.54     | 40       | 1.07     | 604      | 1        | 3.88     | 13       | 1090     | 9        | 0.88     | <5       | 7      |
| W933096            |                          | 21       | 1.76     | 10       | 1.29     | 30       | 0.53     | 301      | 12       | 1.78     | 7        | 540      | 182      | 0.94     | <5       | 4      |
| W933097            |                          | 41       | 3.01     | 20       | 2.47     | 40       | 1.20     | 622      | 116      | 3.96     | 14       | 1160     | 57       | 1.17     | <5       | 8      |
| W933098            |                          | 23       | 2.93     | 20       | 1.37     | 40       | 0.58     | 518      | 1        | 4.77     | 13       | 1190     | 9        | 1.91     | <5       | 8      |
| W933099            |                          | 42       | 2.83     | 20       | 2.36     | 30       | 0.56     | 521      | <1       | 3.72     | 11       | 1020     | 13       | 1.26     | <5       | 7      |
| W933100            |                          | 91       | 9.71     | 20       | 0.71     | 20       | 3.63     | 2550     | 3        | 1.93     | 134      | 1890     | 2        | 0.97     | <5       | 17     |
| W933101            |                          | 24       | 3.67     | 20       | 2.04     | 30       | 0.68     | 429      | 1        | 3.47     | 13       | 1020     | 16       | 1.96     | <5       | 7      |
| W933102            |                          | 91       | 2.34     | 20       | 1.83     | 30       | 0.51     | 664      | 2        | 4.17     | 12       | 1130     | 42       | 1.22     | <5       | 7      |
| W933103            |                          | 59       | 2.54     | 20       | 2.89     | 40       | 0.57     | 562      | <1       | 3.87     | 14       | 1200     | 8        | 1.11     | <5       | 8      |
| W933104            |                          | 208      | 2.70     | 20       | 3.23     | 40       | 0.81     | 768      | 1980     | 2.86     | 13       | 1140     | 458      | 1.68     | <5       | 8      |
| W933105            |                          | 26       | 2.84     | 20       | 2.32     | 50       | 0.83     | 529      | 169      | 4.51     | 13       | 1280     | 36       | 1.39     | <5       | 9      |
| W933106            |                          | 23       | 3.14     | 20       | 3.08     | 40       | 1.27     | 397      | 9        | 3.71     | 15       | 1230     | 16       | 0.28     | <5       | 8      |
| W933107            |                          | 16       | 3.25     | 20       | 1.93     | 40       | 1.09     | 461      | 5        | 4.52     | 17       | 1240     | 12       | 1.26     | <5       | 9      |
| W933108            |                          | 23       | 2.76     | 20       | 2.16     | 40       | 0.73     | 619      | 1        | 4.20     | 13       | 1180     | 11       | 0.65     | <5       | 8      |
| W933109            |                          | 11       | 2.62     | 20       | 1.80     | 40       | 0.78     | 680      | 1        | 4.22     | 12       | 1190     | 7        | 0.43     | <5       | 8      |
| W933110            |                          | 2        | 0.96     | <10      | 0.06     | 10       | 0.02     | 48       | <1       | 0.03     | <1       | 70       | <2       | <0.01    | <5       | 1      |
| W933111            |                          | 14       | 3.13     | 20       | 2.68     | 40       | 1.29     | 611      | 1        | 3.66     | 14       | 1230     | 19       | 0.20     | <5       | 8      |
| W933112            |                          | 24       | 3.25     | 20       | 2.72     | 50       | 1.62     | 608      | <1       | 3.78     | 18       | 1250     | 19       | 0.32     | <5       | 9      |
| W933113            |                          | 31       | 3.02     | 20       | 1.92     | 40       | 1.66     | 623      | <1       | 3.94     | 16       | 1170     | 14       | 0.75     | <5       | 9      |
| W933114            |                          | 40       | 2.97     | 20       | 1.50     | 40       | 1.60     | 562      | 1        | 3.76     | 16       | 1100     | 13       | 0.92     | <5       | 8      |
| W933115            |                          | 23       | 3.09     | 20       | 3.02     | 40       | 1.79     | 589      | 1        | 3.64     | 18       | 1310     | 17       | 0.15     | <5       | 10     |
| W933116            |                          | 15       | 3.16     | 20       | 3.01     | 40       | 1.65     | 663      | <1       | 3.63     | 21       | 1240     | 18       | 0.17     | <5       | 10     |
| W933117            |                          | 8        | 3.27     | 20       | 3.09     | 50       | 1.72     | 671      | <1       | 3.60     | 19       | 1270     | 19       | 0.04     | <5       | 10     |
| W933118            |                          | 33       | 3.29     | 20       | 2.94     | 40       | 1.80     | 657      | 1        | 3.64     | 21       | 1270     | 21       | 0.21     | <5       | 10     |
| W933119            |                          | 23       | 3.34     | 20       | 2.95     | 40       | 2.04     | 683      | <1       | 3.29     | 30       | 1340     | 25       | 0.17     | <5       | 11     |
| W933120            |                          | 65       | 8.48     | 20       | 0.86     | 20       | 3.75     | 1640     | 3        | 2.12     | 137      | 1610     | 2        | 0.41     | <5       | 18     |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Plus Appendix Pages  
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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19301393**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    |                          | Sr       | Th       | Ti       | Tl       | U        | V        | W        | Zn       |
|                    |                          | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                          | 1        | 20       | 0.01     | 10       | 10       | 1        | 10       | 2        |
| W933081            |                          | 989      | 20       | 0.22     | <10      | <10      | 77       | <10      | 62       |
| W933082            |                          | 985      | 20       | 0.21     | <10      | <10      | 75       | <10      | 58       |
| W933083            |                          | 1050     | 20       | 0.21     | <10      | <10      | 77       | <10      | 59       |
| W933084            |                          | 1045     | 20       | 0.22     | <10      | <10      | 79       | <10      | 61       |
| W933085            |                          | 1145     | 20       | 0.22     | <10      | <10      | 75       | <10      | 60       |
| W933086            |                          | 919      | 20       | 0.20     | <10      | <10      | 78       | <10      | 56       |
| W933087            |                          | 1135     | 20       | 0.22     | <10      | <10      | 79       | <10      | 62       |
| W933088            |                          | 720      | 20       | 0.19     | <10      | <10      | 79       | <10      | 56       |
| W933089            |                          | 689      | 20       | 0.17     | <10      | <10      | 76       | <10      | 56       |
| W933090            |                          | 24       | <20      | 0.03     | <10      | <10      | 5        | <10      | 2        |
| W933091            |                          | 987      | <20      | 0.22     | <10      | <10      | 79       | <10      | 68       |
| W933092            |                          | 873      | <20      | 0.21     | <10      | <10      | 77       | <10      | 67       |
| W933093            |                          | 1135     | <20      | 0.23     | <10      | <10      | 79       | <10      | 71       |
| W933094            |                          | 492      | <20      | 0.17     | <10      | <10      | 78       | <10      | 46       |
| W933095            |                          | 483      | <20      | 0.17     | <10      | <10      | 74       | <10      | 44       |
| W933096            |                          | 146      | <20      | 0.10     | <10      | <10      | 51       | <10      | 27       |
| W933097            |                          | 463      | <20      | 0.18     | <10      | <10      | 78       | <10      | 47       |
| W933098            |                          | 412      | <20      | 0.17     | <10      | <10      | 66       | <10      | 37       |
| W933099            |                          | 526      | <20      | 0.16     | <10      | <10      | 67       | <10      | 38       |
| W933100            |                          | 359      | <20      | 0.88     | <10      | <10      | 147      | <10      | 131      |
| W933101            |                          | 407      | <20      | 0.16     | <10      | <10      | 70       | <10      | 42       |
| W933102            |                          | 493      | <20      | 0.17     | <10      | <10      | 69       | <10      | 36       |
| W933103            |                          | 602      | <20      | 0.18     | <10      | <10      | 82       | <10      | 40       |
| W933104            |                          | 451      | <20      | 0.14     | <10      | <10      | 72       | <10      | 55       |
| W933105            |                          | 552      | <20      | 0.17     | <10      | <10      | 77       | <10      | 50       |
| W933106            |                          | 668      | <20      | 0.20     | <10      | <10      | 80       | <10      | 77       |
| W933107            |                          | 557      | <20      | 0.17     | <10      | <10      | 64       | <10      | 67       |
| W933108            |                          | 647      | <20      | 0.20     | <10      | <10      | 67       | <10      | 50       |
| W933109            |                          | 488      | <20      | 0.19     | <10      | <10      | 84       | <10      | 50       |
| W933110            |                          | 20       | <20      | 0.04     | <10      | <10      | 6        | <10      | 3        |
| W933111            |                          | 949      | <20      | 0.22     | <10      | <10      | 82       | <10      | 65       |
| W933112            |                          | 1075     | <20      | 0.24     | <10      | 10       | 84       | <10      | 66       |
| W933113            |                          | 685      | <20      | 0.22     | <10      | <10      | 73       | <10      | 66       |
| W933114            |                          | 649      | <20      | 0.19     | <10      | <10      | 72       | <10      | 68       |
| W933115            |                          | 894      | <20      | 0.24     | <10      | <10      | 83       | <10      | 61       |
| W933116            |                          | 933      | <20      | 0.23     | <10      | <10      | 80       | <10      | 65       |
| W933117            |                          | 1015     | <20      | 0.24     | <10      | <10      | 83       | <10      | 67       |
| W933118            |                          | 1060     | <20      | 0.25     | <10      | <10      | 86       | <10      | 70       |
| W933119            |                          | 864      | <20      | 0.25     | <10      | <10      | 89       | <10      | 71       |
| W933120            |                          | 384      | <20      | 0.97     | <10      | <10      | 148      | <10      | 124      |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

|                         |            |
|-------------------------|------------|
| CERTIFICATE OF ANALYSIS | TM19301393 |
|-------------------------|------------|

| Sample Description | Method Analyte Units LOD | WEI-21          | Ag-OG62   | Au-AA26   | PUL-QC        | CRU-QC       | ME-ICP61  | ME-ICP61 | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61 | ME-ICP61  | ME-ICP61  |           |
|--------------------|--------------------------|-----------------|-----------|-----------|---------------|--------------|-----------|----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|
|                    |                          | Recvd Wt.<br>kg | Ag<br>ppm | Au<br>ppm | Pass75um<br>% | Pass2mm<br>% | Ag<br>ppm | Al<br>%  | As<br>ppm | Ba<br>ppm | Be<br>ppm | Bi<br>ppm | Ca<br>%  | Cd<br>ppm | Co<br>ppm | Cr<br>ppm |
| W933121            |                          | 0.26            |           | 0.13      | 89.1          |              | <0.5      | 6.77     | <5        | 1460      | 2.1       | <2        | 4.24     | <0.5      | 16        | 120       |
| W933122            |                          | 1.41            |           | <0.01     | 91.2          | 85.3         | <0.5      | 7.38     | <5        | 1860      | 2.7       | <2        | 3.47     | <0.5      | 18        | 147       |
| W933123            |                          | 1.58            |           | 0.01      |               |              | <0.5      | 7.19     | <5        | 1830      | 2.5       | <2        | 3.32     | <0.5      | 17        | 136       |
| W933124            |                          | 0.22            |           | 0.05      |               |              | 0.8       | 6.64     | <5        | 1870      | 2.0       | <2        | 3.01     | <0.5      | 16        | 113       |
| W933125            |                          | 0.69            |           | <0.01     |               |              | 0.5       | 7.23     | <5        | 2030      | 2.2       | <2        | 3.10     | <0.5      | 15        | 109       |
| W933126            |                          | 1.32            |           | 0.01      |               |              | <0.5      | 7.06     | <5        | 1880      | 2.2       | <2        | 3.12     | <0.5      | 15        | 111       |
| W933127            |                          | 1.23            |           | <0.01     |               |              | <0.5      | 6.93     | <5        | 1940      | 2.3       | <2        | 3.13     | <0.5      | 18        | 106       |
| W933128            |                          | 0.69            |           | 0.01      |               |              | <0.5      | 6.89     | <5        | 2030      | 2.0       | 2         | 2.69     | <0.5      | 14        | 64        |
| W933129            |                          | 1.40            |           | 0.01      |               |              | <0.5      | 7.14     | <5        | 2340      | 2.0       | <2        | 2.65     | <0.5      | 13        | 61        |
| W933130            |                          | 0.25            |           | <0.01     |               |              | <0.5      | 1.63     | 5         | 30        | <0.5      | <2        | 0.02     | <0.5      | 1         | 14        |
| W933131            |                          | 1.55            |           | <0.01     |               |              | <0.5      | 7.18     | 5         | 2220      | 2.1       | <2        | 2.62     | <0.5      | 13        | 58        |
| W933132            |                          | 1.18            |           | <0.01     |               |              | <0.5      | 7.06     | <5        | 2230      | 2.1       | <2        | 2.96     | <0.5      | 14        | 71        |
| W933133            |                          | 0.32            |           | 0.03      |               |              | <0.5      | 6.93     | <5        | 2140      | 1.9       | <2        | 3.36     | <0.5      | 13        | 57        |
| W933134            |                          | 1.28            |           | <0.01     |               |              | <0.5      | 7.23     | <5        | 2350      | 2.2       | <2        | 2.73     | <0.5      | 14        | 62        |
| W933135            |                          | 0.71            |           | <0.01     |               |              | <0.5      | 7.39     | <5        | 2490      | 2.1       | <2        | 2.61     | <0.5      | 14        | 49        |
| W933136            |                          | 0.88            |           | <0.01     |               |              | <0.5      | 7.06     | <5        | 2660      | 1.9       | <2        | 2.33     | <0.5      | 11        | 35        |
| W933137            |                          | 0.81            |           | 0.02      |               |              | <0.5      | 7.35     | <5        | 2650      | 2.2       | <2        | 2.03     | <0.5      | 12        | 38        |
| W933138            |                          | 0.93            |           | 0.40      |               |              | <0.5      | 7.54     | <5        | 2470      | 2.2       | <2        | 2.00     | <0.5      | 14        | 38        |
| W933139            |                          | 1.22            |           | 0.11      |               |              | <0.5      | 7.20     | <5        | 2660      | 2.0       | 3         | 2.34     | <0.5      | 12        | 39        |
| W933140            |                          | 0.06            |           | 1.23      |               |              | <0.5      | 6.44     | 771       | 420       | 0.9       | <2        | 5.26     | <0.5      | 37        | 160       |
| W933141            |                          | 0.67            |           | <0.01     |               |              | <0.5      | 7.41     | <5        | 2380      | 2.0       | <2        | 2.65     | <0.5      | 11        | 35        |
| W933142            |                          | 0.25            |           | 1.67      |               |              | 1.3       | 5.95     | <5        | 690       | 1.6       | 6         | 2.87     | <0.5      | 10        | 29        |
| W933143            |                          | 0.35            |           | 0.18      |               |              | <0.5      | 6.60     | <5        | 1970      | 1.7       | 4         | 3.05     | <0.5      | 10        | 31        |
| W933144            |                          | 0.85            |           | <0.01     |               |              | <0.5      | 7.34     | <5        | 2480      | 1.9       | <2        | 2.35     | <0.5      | 12        | 35        |
| W933145            |                          | 1.17            |           | <0.01     |               |              | <0.5      | 7.00     | <5        | 2540      | 1.9       | <2        | 2.35     | <0.5      | 12        | 36        |
| W933146            |                          | 0.42            |           | 0.29      |               |              | <0.5      | 6.65     | <5        | 2760      | 1.9       | 2         | 2.80     | <0.5      | 11        | 32        |
| W933147            |                          | 0.33            |           | 0.01      |               |              | <0.5      | 6.99     | <5        | 2510      | 2.0       | <2        | 2.47     | <0.5      | 11        | 33        |
| W933148            |                          | 0.39            |           | <0.01     |               |              | <0.5      | 7.54     | <5        | 2510      | 2.2       | <2        | 2.49     | <0.5      | 12        | 34        |
| W933149            |                          | 0.46            |           | 0.01      |               |              | <0.5      | 6.84     | <5        | 2390      | 1.9       | <2        | 2.53     | <0.5      | 11        | 33        |
| W933150            |                          | 0.26            |           | <0.01     |               |              | <0.5      | 0.70     | <5        | 30        | <0.5      | <2        | 0.02     | <0.5      | <1        | 14        |
| W933151            |                          | 0.53            |           | 0.39      |               |              | <0.5      | 7.07     | <5        | 2550      | 2.0       | <2        | 2.56     | <0.5      | 12        | 34        |
| W933152            |                          | 1.32            |           | 0.01      |               |              | <0.5      | 7.32     | <5        | 2520      | 2.0       | 3         | 2.30     | <0.5      | 13        | 34        |
| W933153            |                          | 0.84            |           | <0.01     |               |              | <0.5      | 7.26     | <5        | 2420      | 1.8       | <2        | 2.38     | <0.5      | 12        | 34        |
| W933154            |                          | 0.37            |           | 0.02      |               |              | <0.5      | 7.03     | <5        | 2780      | 1.6       | 2         | 3.87     | <0.5      | 9         | 30        |
| W933155            |                          | 0.65            |           | 0.01      |               |              | <0.5      | 7.04     | <5        | 2190      | 1.7       | <2        | 2.10     | <0.5      | 14        | 35        |
| W933156            |                          | 0.17            |           | <0.01     |               |              | <0.5      | 6.67     | <5        | 2350      | 1.8       | <2        | 2.76     | <0.5      | 10        | 33        |
| W933157            |                          | 0.32            |           | 0.01      |               |              | <0.5      | 6.87     | <5        | 2160      | 1.9       | <2        | 3.39     | <0.5      | 11        | 33        |
| W933158            |                          | 0.79            |           | <0.01     |               |              | <0.5      | 7.24     | <5        | 2460      | 1.9       | <2        | 2.22     | <0.5      | 12        | 34        |
| W933159            |                          | 0.57            |           | <0.01     |               |              | <0.5      | 7.15     | <5        | 2580      | 1.8       | <2        | 2.46     | <0.5      | 11        | 33        |
| W933160            |                          | 0.06            |           | 1.24      |               |              | <0.5      | 6.54     | 785       | 430       | 0.9       | <2        | 5.35     | 0.5       | 38        | 167       |



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19301393**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Cu ppm   | Fe %     | Ga ppm   | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm |
| W933121            |                          | 24       | 3.60     | 20       | 2.44     | 40       | 2.05     | 778      | 1        | 3.03     | 32       | 1330     | 68       | 0.70     | <5       | 12     |
| W933122            |                          | 20       | 3.82     | 20       | 3.22     | 50       | 2.65     | 797      | <1       | 3.34     | 38       | 1540     | 17       | 0.09     | <5       | 14     |
| W933123            |                          | 20       | 3.70     | 20       | 3.30     | 50       | 2.49     | 788      | 1        | 3.23     | 34       | 1500     | 15       | 0.09     | 5        | 14     |
| W933124            |                          | 34       | 3.51     | 20       | 2.91     | 40       | 2.18     | 719      | 2000     | 2.86     | 31       | 1280     | 108      | 0.59     | <5       | 12     |
| W933125            |                          | 17       | 3.48     | 20       | 3.36     | 40       | 2.12     | 735      | 6        | 3.31     | 30       | 1360     | 20       | 0.10     | <5       | 12     |
| W933126            |                          | 13       | 3.37     | 20       | 3.09     | 40       | 2.08     | 716      | 4        | 3.32     | 27       | 1330     | 19       | 0.05     | <5       | 12     |
| W933127            |                          | 16       | 3.38     | 20       | 2.95     | 40       | 2.08     | 720      | 1        | 3.48     | 30       | 1390     | 21       | 0.06     | <5       | 11     |
| W933128            |                          | 24       | 3.03     | 20       | 2.92     | 30       | 1.59     | 625      | 16       | 3.45     | 23       | 1250     | 38       | 0.34     | <5       | 9      |
| W933129            |                          | 12       | 3.18     | 20       | 2.89     | 40       | 1.59     | 644      | 4        | 3.59     | 22       | 1230     | 24       | 0.20     | <5       | 9      |
| W933130            |                          | 1        | 0.94     | <10      | 0.08     | 20       | 0.02     | 37       | <1       | 0.02     | 4        | 50       | <2       | <0.01    | <5       | 1      |
| W933131            |                          | 10       | 3.03     | 20       | 2.89     | 40       | 1.57     | 626      | 3        | 3.55     | 20       | 1240     | 24       | 0.09     | <5       | 9      |
| W933132            |                          | 5        | 3.19     | 20       | 2.85     | 30       | 1.69     | 678      | <1       | 3.59     | 21       | 1300     | 21       | 0.06     | <5       | 9      |
| W933133            |                          | 20       | 2.86     | 20       | 2.33     | 30       | 1.56     | 689      | <1       | 3.68     | 20       | 1260     | 35       | 0.42     | <5       | 9      |
| W933134            |                          | 29       | 3.23     | 20       | 2.81     | 40       | 1.63     | 672      | 2        | 3.71     | 22       | 1310     | 25       | 0.23     | <5       | 9      |
| W933135            |                          | 42       | 3.11     | 20       | 2.71     | 50       | 1.54     | 648      | 1        | 3.90     | 19       | 1280     | 39       | 0.16     | <5       | 9      |
| W933136            |                          | 34       | 2.86     | 20       | 2.50     | 40       | 1.31     | 595      | <1       | 3.69     | 16       | 1170     | 32       | 0.42     | <5       | 8      |
| W933137            |                          | 79       | 2.96     | 20       | 2.41     | 40       | 1.43     | 567      | 15       | 4.17     | 17       | 1240     | 28       | 0.61     | <5       | 8      |
| W933138            |                          | 161      | 3.07     | 20       | 2.75     | 40       | 1.44     | 576      | <1       | 3.97     | 19       | 1250     | 55       | 0.83     | <5       | 9      |
| W933139            |                          | 45       | 3.09     | 20       | 2.65     | 40       | 1.39     | 609      | 21       | 3.67     | 18       | 1200     | 31       | 0.28     | <5       | 8      |
| W933140            |                          | 87       | 9.45     | 20       | 0.67     | 20       | 3.57     | 2450     | 3        | 1.87     | 131      | 1860     | 4        | 0.95     | <5       | 16     |
| W933141            |                          | 11       | 3.01     | 20       | 2.55     | 40       | 1.38     | 613      | <1       | 3.77     | 18       | 1200     | 23       | 0.17     | <5       | 8      |
| W933142            |                          | 37       | 2.50     | 20       | 1.44     | 40       | 1.02     | 578      | 476      | 3.45     | 13       | 900      | 59       | 1.31     | <5       | 6      |
| W933143            |                          | 57       | 2.60     | 20       | 1.76     | 40       | 1.19     | 587      | 1        | 3.69     | 14       | 1040     | 48       | 1.04     | <5       | 8      |
| W933144            |                          | 5        | 2.92     | 20       | 2.63     | 40       | 1.33     | 563      | 1        | 3.66     | 16       | 1170     | 23       | 0.03     | <5       | 8      |
| W933145            |                          | 10       | 2.88     | 20       | 2.66     | 40       | 1.33     | 578      | <1       | 3.63     | 17       | 1190     | 27       | 0.05     | <5       | 8      |
| W933146            |                          | 45       | 2.72     | 20       | 1.97     | 40       | 1.20     | 577      | <1       | 3.54     | 14       | 1070     | 26       | 0.75     | <5       | 8      |
| W933147            |                          | 60       | 2.79     | 20       | 2.58     | 30       | 1.29     | 579      | <1       | 3.66     | 16       | 1130     | 25       | 0.13     | <5       | 8      |
| W933148            |                          | 6        | 2.99     | 20       | 2.64     | 40       | 1.39     | 614      | <1       | 3.85     | 18       | 1190     | 27       | 0.04     | <5       | 8      |
| W933149            |                          | 254      | 2.67     | 20       | 2.55     | 30       | 1.22     | 570      | 1        | 3.51     | 15       | 1080     | 39       | 0.18     | <5       | 7      |
| W933150            |                          | 2        | 0.85     | <10      | 0.05     | 10       | 0.01     | 38       | 1        | 0.02     | 1        | 60       | <2       | <0.01    | <5       | 1      |
| W933151            |                          | 22       | 2.79     | 20       | 2.54     | 30       | 1.31     | 596      | <1       | 3.77     | 16       | 1130     | 24       | 0.25     | <5       | 8      |
| W933152            |                          | 24       | 2.90     | 20       | 2.69     | 40       | 1.34     | 553      | <1       | 3.67     | 15       | 1150     | 32       | 0.39     | <5       | 8      |
| W933153            |                          | 27       | 2.91     | 20       | 2.45     | 40       | 1.45     | 587      | <1       | 3.69     | 16       | 1190     | 22       | 0.60     | <5       | 8      |
| W933154            |                          | 80       | 2.70     | 20       | 2.62     | 40       | 1.41     | 687      | <1       | 3.47     | 14       | 1190     | 49       | 0.34     | <5       | 8      |
| W933155            |                          | 27       | 3.05     | 20       | 2.50     | 30       | 1.36     | 436      | <1       | 3.63     | 16       | 1210     | 22       | 0.76     | <5       | 8      |
| W933156            |                          | 10       | 2.70     | 20       | 2.22     | 30       | 1.12     | 482      | <1       | 3.52     | 14       | 1100     | 17       | 0.25     | <5       | 7      |
| W933157            |                          | 16       | 2.71     | 20       | 2.18     | 30       | 1.10     | 564      | <1       | 3.73     | 14       | 1140     | 33       | 0.25     | <5       | 7      |
| W933158            |                          | 10       | 2.88     | 20       | 2.69     | 40       | 1.36     | 514      | <1       | 3.56     | 15       | 1160     | 25       | 0.14     | <5       | 8      |
| W933159            |                          | 16       | 2.90     | 20       | 2.56     | 30       | 1.33     | 559      | <1       | 3.60     | 16       | 1140     | 25       | 0.26     | <5       | 8      |
| W933160            |                          | 88       | 9.59     | 20       | 0.69     | 20       | 3.62     | 2490     | 2        | 1.91     | 132      | 1880     | 3        | 0.96     | <5       | 17     |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19301393**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |     |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|-----|
|                    |                          | Sr       | Th       | Ti       | Tl       | U        | V        | W        | Zn  |
|                    |                          | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | ppm |
|                    |                          | 1        | 20       | 0.01     | 10       | 10       | 1        | 10       | 2   |
| W933121            |                          | 598      | <20      | 0.26     | <10      | <10      | 106      | <10      | 76  |
| W933122            |                          | 914      | <20      | 0.29     | <10      | <10      | 102      | <10      | 81  |
| W933123            |                          | 895      | 20       | 0.28     | <10      | <10      | 98       | <10      | 77  |
| W933124            |                          | 646      | <20      | 0.25     | <10      | <10      | 93       | <10      | 76  |
| W933125            |                          | 847      | <20      | 0.26     | <10      | <10      | 90       | <10      | 73  |
| W933126            |                          | 1030     | <20      | 0.25     | <10      | <10      | 86       | <10      | 69  |
| W933127            |                          | 1125     | <20      | 0.26     | <10      | <10      | 93       | <10      | 71  |
| W933128            |                          | 882      | <20      | 0.23     | <10      | <10      | 85       | <10      | 63  |
| W933129            |                          | 1075     | <20      | 0.24     | <10      | <10      | 82       | <10      | 63  |
| W933130            |                          | 31       | <20      | 0.04     | <10      | <10      | 7        | <10      | 3   |
| W933131            |                          | 1095     | <20      | 0.23     | <10      | <10      | 83       | <10      | 61  |
| W933132            |                          | 1100     | <20      | 0.24     | <10      | <10      | 86       | <10      | 65  |
| W933133            |                          | 666      | <20      | 0.23     | <10      | <10      | 100      | <10      | 66  |
| W933134            |                          | 1220     | <20      | 0.24     | 10       | <10      | 85       | <10      | 68  |
| W933135            |                          | 1260     | 20       | 0.24     | <10      | <10      | 83       | <10      | 66  |
| W933136            |                          | 1025     | <20      | 0.22     | <10      | <10      | 75       | <10      | 62  |
| W933137            |                          | 978      | <20      | 0.23     | <10      | <10      | 81       | <10      | 65  |
| W933138            |                          | 921      | 20       | 0.24     | <10      | <10      | 84       | <10      | 67  |
| W933139            |                          | 1100     | <20      | 0.23     | <10      | <10      | 78       | <10      | 63  |
| W933140            |                          | 356      | <20      | 0.86     | <10      | <10      | 145      | <10      | 120 |
| W933141            |                          | 919      | <20      | 0.22     | 10       | <10      | 78       | <10      | 62  |
| W933142            |                          | 736      | <20      | 0.14     | <10      | <10      | 67       | <10      | 47  |
| W933143            |                          | 429      | <20      | 0.18     | <10      | <10      | 83       | <10      | 52  |
| W933144            |                          | 1295     | <20      | 0.22     | <10      | <10      | 75       | <10      | 59  |
| W933145            |                          | 1270     | <20      | 0.22     | <10      | <10      | 77       | <10      | 61  |
| W933146            |                          | 566      | <20      | 0.19     | <10      | <10      | 80       | <10      | 56  |
| W933147            |                          | 1085     | <20      | 0.22     | <10      | <10      | 77       | <10      | 62  |
| W933148            |                          | 1270     | <20      | 0.23     | <10      | <10      | 79       | <10      | 63  |
| W933149            |                          | 906      | <20      | 0.21     | <10      | <10      | 74       | <10      | 65  |
| W933150            |                          | 32       | <20      | 0.02     | <10      | <10      | 6        | <10      | 2   |
| W933151            |                          | 997      | <20      | 0.22     | <10      | <10      | 76       | <10      | 62  |
| W933152            |                          | 985      | 20       | 0.21     | <10      | <10      | 75       | <10      | 61  |
| W933153            |                          | 880      | 20       | 0.19     | <10      | <10      | 75       | <10      | 65  |
| W933154            |                          | 1045     | <20      | 0.19     | <10      | <10      | 77       | <10      | 64  |
| W933155            |                          | 1010     | <20      | 0.21     | <10      | <10      | 76       | <10      | 62  |
| W933156            |                          | 687      | <20      | 0.19     | <10      | <10      | 65       | <10      | 57  |
| W933157            |                          | 591      | <20      | 0.20     | <10      | <10      | 71       | 10       | 59  |
| W933158            |                          | 1055     | <20      | 0.22     | <10      | <10      | 77       | <10      | 63  |
| W933159            |                          | 973      | <20      | 0.21     | <10      | <10      | 76       | <10      | 62  |
| W933160            |                          | 361      | <20      | 0.87     | <10      | <10      | 147      | <10      | 122 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19301393**

| Sample Description | Method Analyte Units LOD | WEI-21       | Ag-OG62 | Au-AA26 | PUL-QC     | CRU-QC    | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|--------------------|--------------------------|--------------|---------|---------|------------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Recvd Wt. kg | Ag ppm  | Au ppm  | Pass75um % | Pass2mm % | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm |
| W933161            |                          | 0.38         |         | 0.33    | 90.8       | 73.0      | <0.5     | 6.44     | 5        | 1980     | 1.8      | 3        | 2.99     | <0.5     | 11       | 39     |
| W933162            |                          | 0.23         |         | 0.02    | 92.4       |           | <0.5     | 6.94     | <5       | 2280     | 1.9      | <2       | 3.44     | <0.5     | 11       | 43     |
| W933163            |                          | 0.44         |         | 0.03    |            |           | <0.5     | 7.20     | <5       | 2320     | 1.9      | <2       | 2.49     | <0.5     | 12       | 44     |
| W933164            |                          | 0.46         |         | 0.57    |            |           | 1.3      | 6.45     | <5       | 1890     | 1.7      | 9        | 2.18     | <0.5     | 11       | 31     |
| W933165            |                          | 0.92         |         | <0.01   |            |           | <0.5     | 7.40     | <5       | 2520     | 2.0      | <2       | 2.39     | <0.5     | 14       | 39     |
| W933166            |                          | 0.31         |         | 0.56    |            |           | <0.5     | 7.25     | <5       | 2490     | 1.9      | <2       | 2.36     | <0.5     | 11       | 33     |
| W933167            |                          | 0.35         |         | 0.10    |            |           | <0.5     | 6.92     | <5       | 2460     | 1.7      | 2        | 2.45     | <0.5     | 12       | 38     |
| W933168            |                          | 0.31         |         | 0.10    |            |           | <0.5     | 6.58     | <5       | 1630     | 1.8      | 3        | 3.01     | <0.5     | 11       | 34     |
| W933169            |                          | 0.81         |         | <0.01   |            |           | <0.5     | 7.48     | <5       | 2630     | 2.3      | <2       | 2.58     | <0.5     | 12       | 34     |
| W933170            |                          | 0.24         |         | <0.01   |            |           | <0.5     | 1.97     | <5       | 40       | <0.5     | 3        | 0.02     | <0.5     | 1        | 13     |
| W933171            |                          | 0.73         |         | 0.05    |            |           | <0.5     | 7.85     | <5       | 2410     | 2.5      | <2       | 2.46     | <0.5     | 12       | 36     |
| W933172            |                          | 0.41         |         | <0.01   |            |           | <0.5     | 7.51     | <5       | 3270     | 2.1      | <2       | 2.45     | <0.5     | 13       | 33     |
| W933173            |                          | 0.39         |         | 0.07    |            |           | <0.5     | 7.14     | <5       | 2620     | 2.1      | 2        | 3.25     | <0.5     | 12       | 32     |
| W933174            |                          | 0.60         |         | 0.11    |            |           | <0.5     | 7.07     | <5       | 1570     | 2.1      | <2       | 3.61     | <0.5     | 11       | 32     |
| W933175            |                          | 0.29         |         | 0.33    |            |           | <0.5     | 6.41     | <5       | 490      | 1.7      | <2       | 3.21     | <0.5     | 12       | 28     |
| W933176            |                          | 0.93         |         | 0.02    |            |           | <0.5     | 7.12     | <5       | 2450     | 1.8      | <2       | 2.84     | <0.5     | 15       | 31     |
| W933177            |                          | 0.26         |         | <0.01   |            |           | <0.5     | 7.57     | <5       | 2650     | 1.9      | <2       | 2.54     | <0.5     | 12       | 33     |
| W933178            |                          | 0.42         |         | 0.01    |            |           | <0.5     | 5.43     | <5       | 930      | 1.5      | <2       | 2.13     | <0.5     | 8        | 23     |
| W933179            |                          | 0.20         |         | 0.01    |            |           | <0.5     | 7.51     | <5       | 2720     | 2.1      | <2       | 3.10     | <0.5     | 13       | 35     |
| W933180            |                          | 0.06         |         | 1.26    |            |           | <0.5     | 6.58     | 771      | 430      | 0.9      | 2        | 5.37     | 0.5      | 39       | 168    |
| W933181            |                          | 0.25         |         | <0.01   |            |           | <0.5     | 7.02     | <5       | 2640     | 2.0      | <2       | 2.98     | <0.5     | 12       | 34     |
| W933182            |                          | 0.24         |         | 0.01    |            |           | <0.5     | 6.69     | <5       | 2450     | 2.0      | <2       | 3.61     | <0.5     | 12       | 34     |
| W933183            |                          | 0.76         |         | 0.02    |            |           | <0.5     | 7.51     | <5       | 2660     | 2.0      | <2       | 2.56     | <0.5     | 13       | 40     |
| W933184            |                          | 0.56         |         | <0.01   |            |           | <0.5     | 7.78     | <5       | 2940     | 2.0      | 2        | 2.48     | <0.5     | 13       | 34     |
| W933185            |                          | 0.48         |         | 0.73    |            |           | <0.5     | 6.55     | <5       | 2580     | 2.0      | <2       | 3.26     | <0.5     | 11       | 31     |
| W933186            |                          | 0.81         |         | 0.01    |            |           | <0.5     | 7.81     | <5       | 2600     | 2.0      | <2       | 2.54     | <0.5     | 13       | 34     |
| W933187            |                          | 0.88         |         | 0.02    |            |           | <0.5     | 7.78     | <5       | 3210     | 2.0      | 4        | 2.53     | <0.5     | 13       | 34     |
| W933188            |                          | 0.37         |         | 0.89    |            |           | <0.5     | 6.93     | <5       | 2290     | 1.9      | <2       | 2.79     | <0.5     | 11       | 31     |
| W933189            |                          | 1.39         |         | <0.01   |            |           | <0.5     | 7.77     | <5       | 2700     | 2.0      | <2       | 2.57     | <0.5     | 14       | 36     |
| W933190            |                          | 0.24         |         | <0.01   |            |           | <0.5     | 0.88     | <5       | 20       | <0.5     | <2       | 0.03     | <0.5     | <1       | 16     |
| W933191            |                          | 0.58         |         | 0.03    |            |           | <0.5     | 6.95     | <5       | 2330     | 1.8      | 2        | 3.25     | <0.5     | 11       | 32     |
| W933192            |                          | 0.61         |         | <0.01   |            |           | <0.5     | 7.56     | <5       | 2640     | 2.0      | <2       | 2.54     | <0.5     | 12       | 33     |
| W933193            |                          | 0.95         |         | <0.01   |            |           | <0.5     | 7.14     | <5       | 2600     | 1.9      | <2       | 2.23     | <0.5     | 11       | 34     |
| W933194            |                          | 0.87         |         | <0.01   |            |           | <0.5     | 7.71     | <5       | 2670     | 2.1      | 2        | 2.48     | <0.5     | 12       | 34     |
| W933195            |                          | 1.68         |         | <0.01   |            |           | <0.5     | 7.95     | <5       | 2680     | 2.1      | <2       | 2.53     | <0.5     | 13       | 35     |
| W933196            |                          | 1.55         |         | <0.01   |            |           | <0.5     | 7.75     | <5       | 2560     | 2.1      | <2       | 2.63     | <0.5     | 14       | 45     |
| W933197            |                          | 1.23         |         | 0.15    |            |           | <0.5     | 7.31     | <5       | 2510     | 1.9      | <2       | 2.48     | <0.5     | 12       | 33     |
| W933198            |                          | 1.32         |         | 0.01    |            |           | <0.5     | 7.49     | <5       | 2580     | 2.0      | 2        | 2.49     | <0.5     | 12       | 34     |
| W933199            |                          | 1.23         |         | 0.01    |            |           | <0.5     | 8.70     | <5       | 2890     | 2.2      | 2        | 2.98     | <0.5     | 14       | 39     |
| W933200            |                          | 0.06         |         | 1.23    |            |           | <0.5     | 6.96     | 833      | 450      | 1.0      | <2       | 5.64     | 0.5      | 40       | 175    |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19301393**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Cu ppm   | Fe %     | Ga ppm   | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm |
| W933161            |                          | 27       | 2.54     | 20       | 2.13     | 30       | 1.06     | 540      | 1        | 3.24     | 18       | 1030     | 25       | 0.39     | <5       | 7      |
| W933162            |                          | 74       | 3.07     | 20       | 2.29     | 40       | 1.18     | 639      | <1       | 3.64     | 21       | 1060     | 24       | 0.28     | <5       | 10     |
| W933163            |                          | 34       | 2.99     | 20       | 2.47     | 30       | 1.41     | 567      | <1       | 3.54     | 23       | 1170     | 26       | 0.12     | <5       | 9      |
| W933164            |                          | 44       | 2.60     | 20       | 1.67     | 30       | 1.09     | 485      | 1        | 3.52     | 17       | 1030     | 138      | 0.61     | <5       | 7      |
| W933165            |                          | 16       | 2.97     | 20       | 2.62     | 40       | 1.36     | 600      | <1       | 3.61     | 20       | 1180     | 25       | 0.10     | <5       | 8      |
| W933166            |                          | 10       | 2.78     | 20       | 2.55     | 40       | 1.27     | 519      | <1       | 3.48     | 16       | 1130     | 25       | 0.28     | <5       | 8      |
| W933167            |                          | 20       | 2.78     | 20       | 2.30     | 40       | 1.27     | 510      | <1       | 3.59     | 17       | 1120     | 31       | 0.30     | <5       | 8      |
| W933168            |                          | 41       | 2.42     | 20       | 1.38     | 30       | 0.97     | 570      | 6        | 4.52     | 15       | 1100     | 22       | 1.19     | <5       | 7      |
| W933169            |                          | 117      | 2.71     | 20       | 1.66     | 40       | 1.26     | 529      | 1        | 4.68     | 16       | 1200     | 28       | 0.86     | <5       | 10     |
| W933170            |                          | 3        | 0.88     | <10      | 0.10     | 20       | 0.01     | 34       | <1       | 0.03     | 3        | 80       | <2       | <0.01    | <5       | 1      |
| W933171            |                          | 158      | 2.78     | 20       | 1.42     | 40       | 1.36     | 585      | <1       | 4.73     | 15       | 1250     | 20       | 1.21     | <5       | 11     |
| W933172            |                          | 74       | 2.81     | 20       | 2.31     | 40       | 1.28     | 542      | <1       | 3.97     | 18       | 1170     | 21       | 0.32     | <5       | 8      |
| W933173            |                          | 35       | 2.58     | 20       | 1.41     | 30       | 0.92     | 531      | <1       | 4.67     | 17       | 1150     | 28       | 0.92     | <5       | 9      |
| W933174            |                          | 25       | 2.63     | 20       | 0.67     | 110      | 1.08     | 609      | 3        | 4.92     | 16       | 1190     | 21       | 1.29     | <5       | 12     |
| W933175            |                          | 12       | 3.00     | 20       | 1.70     | 40       | 0.76     | 506      | 31       | 3.63     | 15       | 990      | 20       | 1.66     | <5       | 7      |
| W933176            |                          | 20       | 2.71     | 20       | 2.23     | 40       | 1.10     | 532      | <1       | 3.77     | 16       | 1100     | 20       | 0.71     | <5       | 8      |
| W933177            |                          | 13       | 2.89     | 20       | 2.50     | 40       | 1.27     | 564      | <1       | 3.87     | 16       | 1160     | 24       | 0.18     | <5       | 8      |
| W933178            |                          | 59       | 2.17     | 10       | 0.99     | 30       | 0.68     | 335      | 19       | 3.38     | 11       | 800      | 36       | 1.05     | <5       | 5      |
| W933179            |                          | 151      | 2.85     | 20       | 2.45     | 40       | 1.14     | 528      | <1       | 3.91     | 16       | 1160     | 66       | 0.46     | <5       | 8      |
| W933180            |                          | 88       | 9.63     | 20       | 0.70     | 20       | 3.66     | 2520     | 3        | 1.91     | 136      | 1900     | <2       | 0.97     | <5       | 17     |
| W933181            |                          | 21       | 2.74     | 20       | 2.62     | 30       | 1.08     | 541      | <1       | 3.83     | 18       | 1170     | 50       | 0.24     | <5       | 8      |
| W933182            |                          | 37       | 2.61     | 20       | 2.00     | 30       | 1.01     | 647      | <1       | 4.01     | 16       | 1120     | 22       | 0.60     | <5       | 7      |
| W933183            |                          | 36       | 3.02     | 20       | 2.62     | 40       | 1.42     | 626      | <1       | 3.80     | 21       | 1210     | 22       | 0.18     | <5       | 8      |
| W933184            |                          | 29       | 3.00     | 20       | 2.77     | 40       | 1.38     | 602      | <1       | 3.70     | 19       | 1210     | 23       | 0.09     | <5       | 8      |
| W933185            |                          | 116      | 2.72     | 20       | 2.04     | 30       | 1.03     | 589      | 2        | 3.43     | 16       | 1040     | 54       | 0.91     | <5       | 7      |
| W933186            |                          | 6        | 3.00     | 20       | 2.65     | 50       | 1.39     | 614      | <1       | 3.82     | 17       | 1210     | 24       | 0.03     | <5       | 9      |
| W933187            |                          | 6        | 3.01     | 20       | 2.57     | 50       | 1.38     | 601      | <1       | 3.77     | 18       | 1170     | 23       | 0.07     | <5       | 9      |
| W933188            |                          | 9        | 2.70     | 20       | 2.30     | 40       | 1.22     | 597      | <1       | 3.31     | 15       | 1030     | 25       | 0.23     | <5       | 8      |
| W933189            |                          | 9        | 3.06     | 20       | 2.55     | 50       | 1.42     | 632      | <1       | 3.89     | 18       | 1260     | 23       | 0.05     | <5       | 9      |
| W933190            |                          | 3        | 0.88     | <10      | 0.03     | 10       | 0.01     | 41       | <1       | 0.02     | 3        | 80       | <2       | <0.01    | <5       | 1      |
| W933191            |                          | 75       | 2.63     | 20       | 1.53     | 40       | 1.21     | 607      | 7        | 4.41     | 15       | 1190     | 63       | 1.13     | <5       | 8      |
| W933192            |                          | 11       | 2.92     | 20       | 2.69     | 40       | 1.37     | 633      | <1       | 3.74     | 16       | 1150     | 27       | 0.15     | <5       | 8      |
| W933193            |                          | 40       | 2.64     | 20       | 2.34     | 40       | 1.29     | 531      | 20       | 3.68     | 16       | 1140     | 32       | 0.60     | <5       | 8      |
| W933194            |                          | 26       | 2.93     | 20       | 2.69     | 50       | 1.40     | 625      | <1       | 3.82     | 17       | 1200     | 37       | 0.09     | <5       | 9      |
| W933195            |                          | 12       | 3.02     | 20       | 2.71     | 50       | 1.41     | 638      | <1       | 3.88     | 17       | 1220     | 21       | 0.06     | <5       | 9      |
| W933196            |                          | 16       | 3.02     | 20       | 2.52     | 50       | 1.46     | 659      | <1       | 3.84     | 19       | 1220     | 22       | 0.09     | <5       | 9      |
| W933197            |                          | 22       | 2.82     | 20       | 2.54     | 40       | 1.34     | 563      | <1       | 3.54     | 16       | 1120     | 17       | 0.18     | <5       | 8      |
| W933198            |                          | 10       | 2.88     | 20       | 2.59     | 40       | 1.38     | 609      | <1       | 3.71     | 17       | 1170     | 14       | 0.10     | <5       | 8      |
| W933199            |                          | 46       | 3.27     | 20       | 3.10     | 50       | 1.51     | 670      | 1        | 4.32     | 20       | 1370     | 20       | 0.06     | <5       | 9      |
| W933200            |                          | 96       | 10.15    | 20       | 0.74     | 20       | 3.85     | 2640     | 4        | 2.01     | 143      | 2020     | <2       | 1.04     | <5       | 18     |





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19301393**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |     |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|-----|
|                    |                          | Sr       | Th       | Ti       | Tl       | U        | V        | W        |     |
|                    |                          | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | ppm |
|                    |                          | 1        | 20       | 0.01     | 10       | 10       | 1        | 10       | 2   |
| W933161            |                          | 608      | <20      | 0.18     | <10      | <10      | 81       | 10       | 60  |
| W933162            |                          | 726      | <20      | 0.20     | <10      | <10      | 87       | <10      | 60  |
| W933163            |                          | 1010     | <20      | 0.22     | 10       | <10      | 83       | <10      | 64  |
| W933164            |                          | 774      | <20      | 0.18     | <10      | <10      | 68       | <10      | 51  |
| W933165            |                          | 1405     | 20       | 0.22     | <10      | <10      | 77       | <10      | 60  |
| W933166            |                          | 832      | <20      | 0.20     | <10      | <10      | 79       | <10      | 60  |
| W933167            |                          | 862      | <20      | 0.19     | <10      | <10      | 78       | <10      | 59  |
| W933168            |                          | 941      | <20      | 0.18     | <10      | <10      | 78       | <10      | 46  |
| W933169            |                          | 851      | <20      | 0.20     | <10      | <10      | 71       | <10      | 64  |
| W933170            |                          | 48       | <20      | 0.04     | <10      | <10      | 7        | <10      | 4   |
| W933171            |                          | 867      | 20       | 0.22     | <10      | <10      | 68       | <10      | 62  |
| W933172            |                          | 1100     | 20       | 0.21     | <10      | <10      | 75       | <10      | 63  |
| W933173            |                          | 755      | <20      | 0.20     | <10      | <10      | 73       | <10      | 53  |
| W933174            |                          | 585      | 20       | 0.18     | <10      | <10      | 78       | <10      | 55  |
| W933175            |                          | 933      | <20      | 0.14     | <10      | <10      | 70       | <10      | 42  |
| W933176            |                          | 706      | <20      | 0.17     | <10      | <10      | 71       | <10      | 58  |
| W933177            |                          | 895      | 20       | 0.21     | <10      | <10      | 77       | <10      | 60  |
| W933178            |                          | 534      | <20      | 0.12     | <10      | <10      | 51       | <10      | 43  |
| W933179            |                          | 974      | <20      | 0.21     | <10      | <10      | 77       | <10      | 66  |
| W933180            |                          | 363      | <20      | 0.87     | <10      | <10      | 149      | <10      | 121 |
| W933181            |                          | 895      | <20      | 0.21     | <10      | <10      | 76       | <10      | 62  |
| W933182            |                          | 711      | <20      | 0.21     | <10      | <10      | 73       | <10      | 60  |
| W933183            |                          | 1335     | 20       | 0.22     | <10      | <10      | 79       | <10      | 65  |
| W933184            |                          | 1370     | 20       | 0.22     | <10      | <10      | 79       | <10      | 65  |
| W933185            |                          | 1025     | <20      | 0.19     | <10      | <10      | 85       | <10      | 58  |
| W933186            |                          | 1655     | 20       | 0.23     | <10      | <10      | 79       | <10      | 63  |
| W933187            |                          | 1515     | 20       | 0.23     | <10      | <10      | 79       | <10      | 62  |
| W933188            |                          | 1190     | <20      | 0.20     | <10      | <10      | 72       | <10      | 58  |
| W933189            |                          | 1635     | 20       | 0.23     | <10      | <10      | 79       | <10      | 64  |
| W933190            |                          | 17       | <20      | 0.03     | <10      | <10      | 6        | <10      | 5   |
| W933191            |                          | 1030     | <20      | 0.19     | <10      | <10      | 82       | <10      | 58  |
| W933192            |                          | 1240     | 20       | 0.22     | <10      | <10      | 78       | <10      | 59  |
| W933193            |                          | 869      | <20      | 0.20     | <10      | <10      | 77       | <10      | 58  |
| W933194            |                          | 1380     | 20       | 0.23     | <10      | <10      | 80       | <10      | 62  |
| W933195            |                          | 1435     | 20       | 0.23     | <10      | <10      | 79       | <10      | 65  |
| W933196            |                          | 1405     | 20       | 0.23     | <10      | <10      | 77       | <10      | 64  |
| W933197            |                          | 946      | <20      | 0.21     | <10      | <10      | 76       | <10      | 59  |
| W933198            |                          | 1150     | 20       | 0.22     | 10       | <10      | 75       | <10      | 59  |
| W933199            |                          | 1380     | 20       | 0.25     | 10       | <10      | 90       | <10      | 66  |
| W933200            |                          | 383      | <20      | 0.93     | <10      | <10      | 155      | <10      | 131 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19301393**

| Sample Description | Method Analyte Units LOD | WEI-21       | Ag-OG62 | Au-AA26 | PUL-QC     | CRU-QC    | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|--------------------|--------------------------|--------------|---------|---------|------------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Recvd Wt. kg | Ag ppm  | Au ppm  | Pass75um % | Pass2mm % | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm |
| W933201            |                          | 0.64         |         | 0.18    | 88.9       | 79.7      | <0.5     | 7.99     | <5       | 2480     | 2.0      | <2       | 3.32     | <0.5     | 13       | 36     |
| W933202            |                          | 1.77         |         | 0.06    | 87.9       |           | 0.7      | 7.78     | <5       | 2590     | 2.0      | 3        | 2.54     | <0.5     | 13       | 36     |
| W933203            |                          | 0.87         |         | 0.04    |            |           | <0.5     | 7.87     | <5       | 2560     | 2.2      | <2       | 2.97     | <0.5     | 14       | 39     |
| W933204            |                          | 0.73         |         | <0.01   |            |           | <0.5     | 7.99     | 6        | 2850     | 2.0      | 2        | 2.84     | <0.5     | 13       | 35     |
| W933205            |                          | 0.92         |         | <0.01   |            |           | <0.5     | 8.16     | <5       | 2670     | 2.1      | <2       | 2.54     | <0.5     | 12       | 35     |
| W933206            |                          | 0.49         |         | 0.09    |            |           | <0.5     | 7.82     | <5       | 2720     | 2.0      | <2       | 3.08     | <0.5     | 11       | 34     |
| W933207            |                          | 0.50         |         | 0.01    |            |           | <0.5     | 6.36     | <5       | 2080     | 1.6      | <2       | 2.26     | <0.5     | 9        | 41     |
| W933208            |                          | 1.34         |         | <0.01   |            |           | <0.5     | 7.76     | <5       | 2610     | 2.1      | <2       | 2.49     | <0.5     | 12       | 39     |
| W933209            |                          | 0.91         |         | <0.01   |            |           | <0.5     | 7.94     | <5       | 2930     | 2.0      | <2       | 2.49     | <0.5     | 12       | 33     |
| W933210            |                          | 0.31         |         | <0.01   |            |           | <0.5     | 1.14     | <5       | 20       | <0.5     | 2        | 0.02     | <0.5     | 2        | 22     |
| W933211            |                          | 0.36         |         | 0.04    |            |           | <0.5     | 7.84     | <5       | 2440     | 2.3      | <2       | 3.90     | <0.5     | 9        | 34     |
| W933212            |                          | 0.35         |         | <0.01   |            |           | <0.5     | 4.51     | <5       | 1890     | 1.3      | 2        | 2.10     | <0.5     | 6        | 23     |
| W933213            |                          | 0.29         |         | <0.01   |            |           | 0.5      | 7.59     | <5       | 3460     | 1.9      | 6        | 2.94     | <0.5     | 9        | 34     |
| W933214            |                          | 1.44         |         | <0.01   |            |           | <0.5     | 7.68     | <5       | 2940     | 1.9      | <2       | 2.94     | <0.5     | 13       | 44     |
| W933215            |                          | 0.73         |         | <0.01   |            |           | <0.5     | 8.05     | <5       | 3210     | 1.9      | 4        | 2.91     | <0.5     | 12       | 34     |
| W933216            |                          | 0.41         |         | 0.01    |            |           | <0.5     | 7.86     | 5        | 3580     | 2.1      | <2       | 3.68     | <0.5     | 10       | 35     |
| W933217            |                          | 0.30         |         | 0.01    |            |           | <0.5     | 6.56     | <5       | 2010     | 1.9      | <2       | 3.50     | <0.5     | 11       | 31     |
| W933218            |                          | 0.44         |         | 0.28    |            |           | 7.9      | 2.98     | <5       | 820      | 0.8      | 29       | 1.51     | <0.5     | 4        | 23     |
| W933219            |                          | 1.17         |         | <0.01   |            |           | <0.5     | 8.01     | <5       | 2710     | 2.1      | <2       | 2.58     | <0.5     | 11       | 35     |
| W933220            |                          | 0.06         |         | 1.22    |            |           | 0.5      | 6.84     | 815      | 450      | 1.0      | <2       | 5.56     | <0.5     | 44       | 174    |
| W933221            |                          | 0.20         |         | 0.06    |            |           | 0.6      | 5.75     | <5       | 780      | 1.5      | 3        | 2.51     | <0.5     | 7        | 25     |
| W933222            |                          | 1.21         |         | <0.01   |            |           | 1.4      | 8.10     | <5       | 2780     | 2.0      | 2        | 2.69     | <0.5     | 12       | 37     |
| W933223            |                          | 0.33         |         | 0.07    |            |           | 14.5     | 5.15     | <5       | 1600     | 1.0      | 30       | 2.75     | <0.5     | 9        | 27     |
| W933224            |                          | 0.52         |         | <0.01   |            |           | 0.7      | 7.95     | <5       | 2960     | 1.5      | <2       | 2.34     | <0.5     | 9        | 34     |
| W933225            |                          | 0.25         | 109     | 0.08    |            |           | >100     | 5.55     | <5       | 1460     | 1.1      | 341      | 2.53     | <0.5     | 11       | 84     |
| W933226            |                          | 1.37         |         | 0.01    |            |           | 0.7      | 7.46     | <5       | 3180     | 1.8      | 4        | 2.26     | <0.5     | 11       | 40     |
| W933227            |                          | 1.81         |         | <0.01   |            |           | <0.5     | 7.46     | <5       | 2510     | 1.8      | <2       | 2.09     | <0.5     | 11       | 35     |
| W933228            |                          | 1.10         |         | <0.01   |            |           | <0.5     | 7.39     | <5       | 2800     | 1.8      | <2       | 2.43     | <0.5     | 13       | 34     |
| W933229            |                          | 0.56         |         | 0.01    |            |           | 0.7      | 6.18     | <5       | 2220     | 1.3      | 2        | 2.25     | <0.5     | 10       | 30     |
| W933230            |                          | 0.26         |         | <0.01   |            |           | <0.5     | 0.91     | <5       | 30       | <0.5     | 2        | 0.03     | <0.5     | <1       | 17     |
| W933231            |                          | 1.22         |         | <0.01   |            |           | <0.5     | 7.52     | <5       | 2790     | 1.8      | <2       | 2.23     | <0.5     | 12       | 49     |
| W933232            |                          | 0.28         |         | 0.01    |            |           | 7.8      | 7.48     | <5       | 2300     | 1.8      | 28       | 2.47     | <0.5     | 9        | 33     |
| W933233            |                          | 1.55         |         | <0.01   |            |           | <0.5     | 7.58     | <5       | 2680     | 1.9      | <2       | 2.38     | <0.5     | 11       | 35     |
| W933234            |                          | 0.25         |         | 0.02    |            |           | <0.5     | 6.20     | <5       | 2300     | 1.4      | <2       | 1.83     | <0.5     | 8        | 26     |
| W933235            |                          | 1.03         |         | <0.01   |            |           | <0.5     | 7.25     | <5       | 2320     | 1.8      | <2       | 1.93     | <0.5     | 9        | 28     |
| W933236            |                          | 1.26         |         | <0.01   |            |           | <0.5     | 7.50     | <5       | 2460     | 1.8      | 2        | 2.33     | <0.5     | 11       | 33     |
| W933237            |                          | 0.57         |         | <0.01   |            |           | <0.5     | 7.55     | <5       | 2680     | 1.6      | <2       | 2.40     | <0.5     | 11       | 36     |
| W933238            |                          | 0.24         |         | 0.01    |            |           | <0.5     | 5.43     | <5       | 1110     | 1.2      | <2       | 1.94     | <0.5     | 9        | 25     |
| W933239            |                          | 1.33         |         | <0.01   |            |           | <0.5     | 7.48     | <5       | 2760     | 1.8      | 3        | 2.34     | <0.5     | 11       | 34     |
| W933240            |                          | 0.06         |         | 0.51    |            |           | <0.5     | 7.14     | 312      | 350      | 1.1      | 3        | 5.36     | <0.5     | 40       | 172    |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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**CERTIFICATE OF ANALYSIS TM19301393**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Cu ppm   | Fe %     | Ga ppm   | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm |
| W933201            |                          | 28       | 3.17     | 20       | 2.34     | 50       | 1.54     | 621      | <1       | 4.25     | 19       | 1250     | 15       | 0.72     | <5       | 9      |
| W933202            |                          | 14       | 3.02     | 20       | 2.67     | 50       | 1.44     | 612      | <1       | 3.76     | 18       | 1230     | 39       | 0.26     | <5       | 9      |
| W933203            |                          | 19       | 3.15     | 20       | 2.39     | 50       | 1.44     | 608      | 1        | 3.86     | 19       | 1320     | 19       | 0.33     | <5       | 9      |
| W933204            |                          | 21       | 3.08     | 20       | 2.71     | 50       | 1.45     | 643      | <1       | 3.97     | 18       | 1250     | 25       | 0.08     | <5       | 9      |
| W933205            |                          | 20       | 3.03     | 20       | 2.82     | 50       | 1.41     | 637      | <1       | 4.08     | 18       | 1210     | 28       | 0.05     | <5       | 9      |
| W933206            |                          | 36       | 2.88     | 20       | 2.52     | 40       | 1.29     | 604      | <1       | 3.98     | 19       | 1200     | 43       | 0.23     | <5       | 8      |
| W933207            |                          | 38       | 2.42     | 20       | 1.85     | 50       | 1.06     | 472      | 9        | 3.20     | 17       | 920      | 34       | 0.29     | <5       | 7      |
| W933208            |                          | 37       | 2.99     | 20       | 2.70     | 40       | 1.43     | 631      | <1       | 4.04     | 19       | 1190     | 29       | 0.11     | <5       | 8      |
| W933209            |                          | 23       | 2.88     | 20       | 2.85     | 40       | 1.33     | 578      | <1       | 3.89     | 16       | 1150     | 51       | 0.10     | <5       | 8      |
| W933210            |                          | 2        | 0.93     | <10      | 0.05     | 20       | 0.01     | 35       | <1       | 0.02     | 3        | 40       | <2       | <0.01    | <5       | 1      |
| W933211            |                          | 37       | 2.66     | 20       | 2.94     | 40       | 1.06     | 666      | 1        | 3.51     | 16       | 1110     | 25       | 0.61     | <5       | 9      |
| W933212            |                          | 36       | 1.55     | 10       | 1.49     | 30       | 0.50     | 367      | 225      | 2.18     | 8        | 630      | 19       | 0.44     | <5       | 5      |
| W933213            |                          | 36       | 2.57     | 20       | 2.72     | 40       | 1.03     | 512      | 2        | 3.64     | 16       | 1090     | 48       | 0.58     | <5       | 8      |
| W933214            |                          | 30       | 2.89     | 20       | 2.76     | 40       | 1.26     | 602      | 3        | 3.78     | 20       | 1170     | 28       | 0.30     | <5       | 8      |
| W933215            |                          | 7        | 2.91     | 20       | 2.79     | 40       | 1.29     | 591      | 1        | 3.99     | 18       | 1200     | 26       | 0.36     | <5       | 8      |
| W933216            |                          | 11       | 2.76     | 20       | 2.84     | 40       | 0.89     | 534      | 4        | 3.66     | 18       | 1180     | 21       | 0.19     | <5       | 8      |
| W933217            |                          | 38       | 2.38     | 20       | 2.38     | 30       | 0.62     | 463      | 17       | 3.46     | 16       | 1020     | 13       | 0.78     | <5       | 7      |
| W933218            |                          | 20       | 1.10     | 10       | 0.90     | 20       | 0.36     | 224      | 4620     | 1.46     | 8        | 410      | 738      | 0.71     | <5       | 3      |
| W933219            |                          | 13       | 2.86     | 20       | 2.88     | 40       | 1.28     | 565      | 16       | 3.97     | 17       | 1170     | 23       | 0.13     | <5       | 8      |
| W933220            |                          | 94       | 9.97     | 20       | 0.72     | 20       | 3.80     | 2600     | 5        | 1.98     | 140      | 1990     | 5        | 1.01     | <5       | 17     |
| W933221            |                          | 20       | 2.14     | 20       | 1.47     | 30       | 0.57     | 337      | 116      | 3.16     | 13       | 790      | 48       | 1.06     | <5       | 5      |
| W933222            |                          | 66       | 3.05     | 20       | 2.99     | 40       | 1.45     | 648      | 2        | 4.12     | 19       | 1240     | 114      | 0.12     | <5       | 9      |
| W933223            |                          | 35       | 2.25     | 10       | 1.40     | 30       | 0.83     | 510      | 355      | 2.67     | 11       | 730      | 691      | 0.77     | <5       | 6      |
| W933224            |                          | 9        | 2.87     | 20       | 2.96     | 40       | 1.29     | 511      | 1        | 3.82     | 19       | 1200     | 14       | 0.07     | <5       | 8      |
| W933225            |                          | 168      | 2.96     | 20       | 1.74     | 20       | 1.63     | 610      | 4        | 2.59     | 25       | 920      | 4680     | 0.75     | <5       | 8      |
| W933226            |                          | 38       | 2.87     | 20       | 2.32     | 40       | 1.37     | 540      | 1        | 4.03     | 18       | 1170     | 43       | 0.70     | <5       | 8      |
| W933227            |                          | 31       | 2.70     | 20       | 2.84     | 40       | 1.29     | 567      | 1        | 3.79     | 18       | 1100     | 30       | 0.20     | <5       | 8      |
| W933228            |                          | 58       | 2.79     | 20       | 2.56     | 40       | 1.33     | 599      | 1        | 3.72     | 17       | 1180     | 40       | 0.45     | <5       | 8      |
| W933229            |                          | 34       | 2.31     | 20       | 2.05     | 30       | 1.05     | 467      | 62       | 3.11     | 12       | 920      | 204      | 0.38     | <5       | 7      |
| W933230            |                          | 3        | 0.64     | <10      | 0.04     | 10       | 0.01     | 33       | <1       | 0.03     | 2        | 60       | 3        | <0.01    | <5       | 1      |
| W933231            |                          | 23       | 2.89     | 20       | 2.91     | 40       | 1.44     | 604      | 1        | 3.77     | 22       | 1200     | 20       | 0.10     | <5       | 8      |
| W933232            |                          | 29       | 2.60     | 20       | 2.43     | 40       | 1.23     | 577      | 80       | 3.90     | 16       | 1070     | 758      | 0.30     | <5       | 8      |
| W933233            |                          | 23       | 2.81     | 20       | 2.72     | 40       | 1.33     | 599      | 1        | 3.74     | 15       | 1170     | 31       | 0.06     | <5       | 8      |
| W933234            |                          | 41       | 2.05     | 20       | 1.73     | 30       | 0.95     | 376      | 14       | 3.42     | 13       | 750      | 33       | 0.53     | <5       | 5      |
| W933235            |                          | 62       | 2.35     | 20       | 2.56     | 40       | 1.09     | 472      | 22       | 3.78     | 14       | 940      | 31       | 0.19     | 7        | 7      |
| W933236            |                          | 32       | 2.76     | 20       | 2.60     | 40       | 1.29     | 582      | <1       | 3.79     | 18       | 1150     | 22       | 0.04     | <5       | 8      |
| W933237            |                          | 14       | 2.86     | 20       | 2.58     | 30       | 1.39     | 556      | <1       | 3.70     | 17       | 1210     | 19       | 0.13     | <5       | 8      |
| W933238            |                          | 14       | 2.43     | 10       | 1.79     | 30       | 0.88     | 398      | 4        | 2.62     | 10       | 770      | 21       | 0.87     | <5       | 5      |
| W933239            |                          | 14       | 2.80     | 20       | 2.82     | 40       | 1.32     | 591      | <1       | 3.78     | 18       | 1150     | 27       | 0.15     | <5       | 8      |
| W933240            |                          | 63       | 8.13     | 20       | 0.83     | 20       | 3.62     | 1550     | 3        | 2.04     | 135      | 1600     | 3        | 0.42     | <5       | 18     |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

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| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|--------------------------|----------|-----------|-----------|-----------|----------|----------|----------|----------|
|                    |                          | Sr ppm 1 | Th ppm 20 | Ti % 0.01 | Tl ppm 10 | U ppm 10 | V ppm 1  | W ppm 10 | Zn ppm 2 |
| W933201            |                          | 524      | 20        | 0.21      | <10       | <10      | 85       | <10      | 69       |
| W933202            |                          | 998      | 20        | 0.22      | <10       | <10      | 81       | <10      | 63       |
| W933203            |                          | 860      | 20        | 0.24      | <10       | <10      | 86       | 10       | 67       |
| W933204            |                          | 1160     | 20        | 0.24      | <10       | <10      | 76       | <10      | 67       |
| W933205            |                          | 1355     | 20        | 0.23      | <10       | <10      | 77       | <10      | 67       |
| W933206            |                          | 923      | 20        | 0.22      | <10       | <10      | 76       | <10      | 65       |
| W933207            |                          | 903      | <20       | 0.17      | <10       | <10      | 63       | <10      | 48       |
| W933208            |                          | 1200     | <20       | 0.23      | <10       | <10      | 76       | <10      | 66       |
| W933209            |                          | 1285     | 20        | 0.22      | <10       | <10      | 73       | <10      | 64       |
| W933210            |                          | 32       | <20       | 0.04      | <10       | <10      | 7        | <10      | 7        |
| W933211            |                          | 704      | 20        | 0.19      | <10       | <10      | 93       | <10      | 58       |
| W933212            |                          | 571      | <20       | 0.11      | <10       | <10      | 41       | <10      | 28       |
| W933213            |                          | 947      | 20        | 0.19      | <10       | <10      | 72       | <10      | 55       |
| W933214            |                          | 1880     | 20        | 0.21      | 10        | <10      | 76       | <10      | 65       |
| W933215            |                          | 7230     | 40        | 0.22      | 10        | <10      | 75       | <10      | 63       |
| W933216            |                          | 1005     | 20        | 0.21      | <10       | <10      | 78       | <10      | 50       |
| W933217            |                          | 579      | <20       | 0.18      | <10       | <10      | 68       | <10      | 39       |
| W933218            |                          | 299      | <20       | 0.08      | <10       | <10      | 29       | <10      | 22       |
| W933219            |                          | 1175     | 20        | 0.22      | <10       | <10      | 72       | <10      | 62       |
| W933220            |                          | 376      | <20       | 0.92      | <10       | <10      | 153      | <10      | 129      |
| W933221            |                          | 340      | <20       | 0.13      | <10       | <10      | 54       | <10      | 35       |
| W933222            |                          | 1285     | 20        | 0.23      | 10        | <10      | 81       | <10      | 65       |
| W933223            |                          | 591      | <20       | 0.14      | <10       | <10      | 50       | <10      | 37       |
| W933224            |                          | 1100     | 20        | 0.23      | <10       | <10      | 78       | <10      | 55       |
| W933225            |                          | 508      | <20       | 0.17      | <10       | <10      | 76       | <10      | 66       |
| W933226            |                          | 877      | 20        | 0.21      | <10       | <10      | 74       | <10      | 58       |
| W933227            |                          | 1105     | 20        | 0.21      | <10       | <10      | 75       | <10      | 62       |
| W933228            |                          | 973      | <20       | 0.21      | <10       | <10      | 78       | <10      | 64       |
| W933229            |                          | 724      | <20       | 0.17      | <10       | <10      | 60       | <10      | 51       |
| W933230            |                          | 28       | <20       | 0.02      | <10       | <10      | 4        | <10      | 3        |
| W933231            |                          | 1180     | <20       | 0.23      | <10       | <10      | 75       | <10      | 66       |
| W933232            |                          | 979      | <20       | 0.20      | <10       | <10      | 70       | <10      | 61       |
| W933233            |                          | 1325     | 20        | 0.21      | 10        | <10      | 72       | <10      | 63       |
| W933234            |                          | 667      | <20       | 0.14      | <10       | <10      | 52       | <10      | 45       |
| W933235            |                          | 1070     | 20        | 0.17      | <10       | <10      | 59       | <10      | 51       |
| W933236            |                          | 1300     | 20        | 0.21      | <10       | <10      | 71       | <10      | 62       |
| W933237            |                          | 1105     | <20       | 0.22      | <10       | <10      | 76       | <10      | 67       |
| W933238            |                          | 598      | <20       | 0.14      | 10        | <10      | 48       | <10      | 45       |
| W933239            |                          | 1160     | <20       | 0.21      | <10       | <10      | 72       | <10      | 62       |
| W933240            |                          | 375      | <20       | 0.93      | <10       | <10      | 146      | <10      | 113      |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 VANCOUVER BC V6C 2V6

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**CERTIFICATE OF ANALYSIS TM19301393**

| Sample Description | Method Analyte Units LOD | WEI-21       | Ag-OG62 | Au-AA26 | PUL-QC     | CRU-QC    | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|--------------------|--------------------------|--------------|---------|---------|------------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Recvd Wt. kg | Ag ppm  | Au ppm  | Pass75um % | Pass2mm % | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm |
| W933241            |                          | 1.66         |         | 0.01    | 90.7       | 87.5      | <0.5     | 7.41     | <5       | 2680     | 1.8      | 3        | 2.21     | <0.5     | 13       | 36     |
| W933242            |                          | 0.38         |         | 0.04    | 88.2       |           | <0.5     | 7.51     | 5        | 2440     | 1.7      | <2       | 2.39     | <0.5     | 12       | 32     |
| W933243            |                          | 0.77         |         | 0.01    |            |           | <0.5     | 7.67     | 5        | 2390     | 1.7      | <2       | 2.12     | <0.5     | 11       | 33     |
| W933244            |                          | 0.43         |         | 0.01    |            |           | <0.5     | 7.56     | <5       | 2500     | 1.9      | <2       | 2.47     | <0.5     | 11       | 34     |
| W933245            |                          | 1.20         |         | 0.01    |            |           | <0.5     | 7.26     | 5        | 2540     | 1.7      | <2       | 2.16     | <0.5     | 12       | 34     |
| W933246            |                          | 1.62         |         | 0.01    |            |           | <0.5     | 7.41     | <5       | 2600     | 1.9      | 2        | 2.18     | <0.5     | 11       | 33     |
| W933247            |                          | 0.32         |         | 0.03    |            |           | 4.0      | 7.17     | 6        | 2020     | 1.5      | 13       | 2.28     | <0.5     | 10       | 31     |
| W933248            |                          | 1.11         |         | <0.01   |            |           | <0.5     | 8.15     | <5       | 2770     | 2.0      | 3        | 2.49     | <0.5     | 14       | 38     |
| W933249            |                          | 1.33         |         | 0.04    |            |           | <0.5     | 7.60     | <5       | 2680     | 1.7      | 2        | 2.35     | <0.5     | 11       | 35     |
| W933250            |                          | 0.29         |         | <0.01   |            |           | <0.5     | 0.71     | <5       | 20       | <0.5     | <2       | 0.02     | <0.5     | 1        | 16     |
| W933251            |                          | 0.29         |         | 0.01    |            |           | <0.5     | 7.12     | <5       | 2040     | 1.8      | <2       | 2.23     | <0.5     | 12       | 39     |
| W933252            |                          | 0.63         |         | 0.01    |            |           | 0.8      | 8.02     | <5       | 2740     | 1.8      | 5        | 2.84     | <0.5     | 11       | 38     |
| W933253            |                          | 1.20         |         | <0.01   |            |           | <0.5     | 7.85     | <5       | 2660     | 1.7      | 2        | 2.04     | <0.5     | 12       | 35     |
| W933254            |                          | 1.23         |         | <0.01   |            |           | <0.5     | 7.31     | <5       | 2250     | 1.7      | <2       | 1.77     | <0.5     | 10       | 32     |
| W933255            |                          | 1.38         |         | <0.01   |            |           | <0.5     | 7.12     | <5       | 2560     | 1.8      | <2       | 1.84     | <0.5     | 10       | 35     |
| W933256            |                          | 1.25         |         | <0.01   |            |           | <0.5     | 7.76     | <5       | 2550     | 1.8      | <2       | 2.21     | <0.5     | 11       | 36     |
| W933257            |                          | 0.26         |         | 0.01    |            |           | <0.5     | 5.13     | <5       | 2030     | 1.1      | 2        | 1.85     | <0.5     | 8        | 29     |
| W933258            |                          | 1.11         |         | <0.01   |            |           | <0.5     | 7.92     | 5        | 2950     | 1.8      | 2        | 2.30     | <0.5     | 11       | 35     |
| W933259            |                          | 1.16         |         | <0.01   |            |           | <0.5     | 7.80     | 5        | 2870     | 1.7      | 4        | 2.05     | <0.5     | 10       | 32     |
| W933260            |                          | 0.06         |         | 0.52    |            |           | <0.5     | 7.15     | 320      | 370      | 1.1      | 6        | 5.46     | <0.5     | 41       | 176    |
| W933261            |                          | 0.39         |         | 0.01    |            |           | <0.5     | 7.01     | <5       | 2050     | 1.8      | <2       | 2.42     | <0.5     | 7        | 31     |
| W933262            |                          | 0.94         |         | <0.01   |            |           | <0.5     | 7.19     | <5       | 2660     | 1.7      | <2       | 2.32     | <0.5     | 10       | 33     |
| W933263            |                          | 0.59         |         | 0.02    |            |           | <0.5     | 6.92     | <5       | 2960     | 1.5      | <2       | 2.99     | <0.5     | 7        | 32     |
| W933264            |                          | 0.48         |         | 0.11    |            |           | 1.5      | 5.65     | <5       | 2090     | 1.8      | <2       | 2.83     | <0.5     | 8        | 28     |
| W933265            |                          | 0.34         |         | 0.01    |            |           | <0.5     | 6.88     | <5       | 2290     | 1.7      | <2       | 1.31     | <0.5     | 11       | 31     |
| W933266            |                          | 0.21         |         | 0.01    |            |           | <0.5     | 7.38     | <5       | 2350     | 1.6      | <2       | 2.30     | <0.5     | 11       | 35     |
| W933267            |                          | 0.53         |         | 0.03    |            |           | <0.5     | 6.84     | <5       | 2250     | 1.6      | <2       | 3.16     | <0.5     | 9        | 33     |
| W933268            |                          | 0.32         |         | <0.01   |            |           | 0.6      | 6.82     | <5       | 2840     | 1.5      | <2       | 2.06     | <0.5     | 9        | 31     |
| W933269            |                          | 0.60         |         | <0.01   |            |           | 0.7      | 6.93     | <5       | 2510     | 1.6      | <2       | 2.17     | <0.5     | 10       | 33     |
| W933270            |                          | 0.24         |         | <0.01   |            |           | <0.5     | 0.67     | <5       | 20       | <0.5     | <2       | 0.03     | <0.5     | <1       | 13     |
| W933271            |                          | 1.14         |         | <0.01   |            |           | <0.5     | 7.33     | <5       | 2550     | 1.7      | <2       | 2.43     | <0.5     | 10       | 32     |
| W933272            |                          | 0.28         |         | 0.04    |            |           | <0.5     | 7.05     | <5       | 1970     | 2.0      | <2       | 3.02     | <0.5     | 11       | 32     |
| W933273            |                          | 1.40         |         | <0.01   |            |           | <0.5     | 7.32     | <5       | 2680     | 1.8      | <2       | 2.36     | <0.5     | 10       | 32     |



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19301393**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Cu ppm   | Fe %     | Ga ppm   | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm |
|                    |                          | 1        | 0.01     | 10       | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1      |
| W933241            |                          | 30       | 2.80     | 20       | 2.61     | 40       | 1.39     | 581      | 61       | 3.84     | 19       | 1210     | 99       | 0.28     | <5       | 8      |
| W933242            |                          | 27       | 2.80     | 20       | 2.44     | 40       | 1.25     | 577      | 37       | 3.93     | 16       | 1090     | 39       | 0.32     | <5       | 8      |
| W933243            |                          | 11       | 2.72     | 20       | 2.77     | 40       | 1.30     | 577      | <1       | 3.92     | 17       | 1120     | 23       | 0.09     | <5       | 8      |
| W933244            |                          | 10       | 2.87     | 20       | 2.58     | 40       | 1.38     | 614      | 2        | 3.81     | 19       | 1150     | 19       | 0.20     | <5       | 8      |
| W933245            |                          | 7        | 2.74     | 20       | 2.53     | 40       | 1.36     | 572      | <1       | 3.70     | 19       | 1160     | 16       | 0.07     | <5       | 8      |
| W933246            |                          | 21       | 2.75     | 20       | 2.71     | 50       | 1.36     | 572      | 12       | 3.82     | 17       | 1170     | 54       | 0.36     | 6        | 8      |
| W933247            |                          | 36       | 2.43     | 20       | 2.41     | 30       | 1.10     | 504      | 1        | 3.61     | 13       | 960      | 458      | 0.21     | <5       | 7      |
| W933248            |                          | 19       | 3.08     | 20       | 2.90     | 50       | 1.45     | 647      | 28       | 4.15     | 19       | 1240     | 41       | 0.19     | <5       | 9      |
| W933249            |                          | 43       | 2.92     | 20       | 2.61     | 40       | 1.37     | 580      | <1       | 3.74     | 16       | 1210     | 23       | 0.22     | <5       | 8      |
| W933250            |                          | 3        | 0.63     | <10      | 0.04     | 10       | 0.01     | 32       | <1       | 0.02     | 3        | 50       | 2        | <0.01    | <5       | <1     |
| W933251            |                          | 21       | 2.94     | 20       | 2.56     | 40       | 1.45     | 599      | <1       | 3.78     | 17       | 1360     | 18       | 0.16     | <5       | 9      |
| W933252            |                          | 33       | 2.91     | 20       | 2.76     | 30       | 1.35     | 554      | 2        | 3.98     | 17       | 1230     | 57       | 0.36     | <5       | 8      |
| W933253            |                          | 26       | 2.84     | 20       | 3.01     | 40       | 1.48     | 528      | 1        | 3.80     | 17       | 1210     | 16       | 0.11     | <5       | 8      |
| W933254            |                          | 13       | 2.51     | 20       | 2.95     | 40       | 1.34     | 490      | <1       | 3.71     | 16       | 1090     | 19       | 0.05     | <5       | 7      |
| W933255            |                          | 10       | 2.64     | 20       | 2.84     | 40       | 1.44     | 544      | 1        | 3.87     | 16       | 1190     | 19       | 0.05     | <5       | 8      |
| W933256            |                          | 101      | 2.83     | 20       | 2.73     | 50       | 1.45     | 581      | <1       | 3.96     | 16       | 1200     | 22       | 0.11     | <5       | 8      |
| W933257            |                          | 561      | 2.18     | 10       | 1.58     | 30       | 0.93     | 390      | 5        | 2.55     | 13       | 790      | 38       | 0.43     | <5       | 6      |
| W933258            |                          | 31       | 2.81     | 20       | 2.73     | 40       | 1.40     | 592      | <1       | 4.10     | 16       | 1170     | 20       | 0.06     | <5       | 8      |
| W933259            |                          | 20       | 2.48     | 20       | 2.74     | 40       | 1.26     | 514      | <1       | 3.96     | 15       | 990      | 25       | 0.05     | <5       | 7      |
| W933260            |                          | 64       | 8.38     | 20       | 0.84     | 20       | 3.70     | 1590     | 3        | 2.11     | 139      | 1660     | 5        | 0.43     | <5       | 18     |
| W933261            |                          | 19       | 2.49     | 20       | 2.31     | 30       | 1.16     | 493      | <1       | 3.71     | 12       | 980      | 15       | 0.09     | <5       | 7      |
| W933262            |                          | 121      | 2.83     | 20       | 2.61     | 40       | 1.41     | 613      | <1       | 3.64     | 14       | 1150     | 22       | 0.03     | <5       | 8      |
| W933263            |                          | 22       | 2.47     | 20       | 2.53     | 30       | 1.01     | 520      | <1       | 3.55     | 13       | 1130     | 17       | 0.18     | <5       | 7      |
| W933264            |                          | 264      | 1.96     | 20       | 1.98     | 20       | 0.72     | 439      | 5        | 2.82     | 8        | 870      | 18       | 0.48     | <5       | 6      |
| W933265            |                          | 106      | 2.87     | 20       | 2.55     | 40       | 1.75     | 422      | 9        | 3.29     | 14       | 1060     | 18       | 0.19     | <5       | 7      |
| W933266            |                          | 19       | 2.98     | 20       | 2.43     | 40       | 1.49     | 524      | <1       | 3.70     | 13       | 1140     | 12       | 0.33     | <5       | 8      |
| W933267            |                          | 62       | 3.21     | 20       | 1.69     | 40       | 1.26     | 547      | 307      | 4.06     | 15       | 1190     | 9        | 0.61     | <5       | 8      |
| W933268            |                          | 42       | 2.68     | 20       | 2.44     | 40       | 1.31     | 526      | 2        | 3.40     | 12       | 1060     | 30       | 0.49     | <5       | 8      |
| W933269            |                          | 63       | 2.69     | 20       | 2.47     | 40       | 1.28     | 565      | 29       | 3.70     | 14       | 1060     | 66       | 0.47     | <5       | 8      |
| W933270            |                          | 3        | 0.86     | <10      | 0.04     | 10       | 0.02     | 40       | <1       | 0.02     | <1       | 60       | <2       | <0.01    | <5       | 1      |
| W933271            |                          | 19       | 2.84     | 20       | 2.58     | 40       | 1.36     | 549      | <1       | 3.52     | 12       | 1160     | 24       | 0.08     | <5       | 8      |
| W933272            |                          | 23       | 2.72     | 20       | 2.29     | 40       | 1.13     | 602      | <1       | 3.71     | 14       | 1140     | 22       | 0.61     | <5       | 7      |
| W933273            |                          | 21       | 2.79     | 20       | 2.70     | 40       | 1.39     | 597      | 1        | 3.64     | 15       | 1130     | 32       | 0.13     | <5       | 8      |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19301393**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|--------------------------|----------|-----------|-----------|-----------|----------|----------|----------|----------|
|                    |                          | Sr ppm 1 | Th ppm 20 | Ti % 0.01 | Tl ppm 10 | U ppm 10 | V ppm 1  | W ppm 10 | Zn ppm 2 |
| W933241            |                          | 1025     | <20       | 0.22      | <10       | <10      | 76       | <10      | 63       |
| W933242            |                          | 1055     | <20       | 0.20      | <10       | <10      | 72       | <10      | 60       |
| W933243            |                          | 1000     | 20        | 0.21      | <10       | <10      | 72       | <10      | 63       |
| W933244            |                          | 1125     | 20        | 0.22      | <10       | <10      | 78       | <10      | 61       |
| W933245            |                          | 1030     | <20       | 0.21      | <10       | <10      | 74       | <10      | 59       |
| W933246            |                          | 1070     | 20        | 0.21      | <10       | <10      | 77       | <10      | 59       |
| W933247            |                          | 751      | <20       | 0.18      | <10       | <10      | 62       | <10      | 59       |
| W933248            |                          | 1145     | 20        | 0.23      | <10       | <10      | 79       | <10      | 65       |
| W933249            |                          | 1060     | <20       | 0.22      | <10       | <10      | 74       | <10      | 65       |
| W933250            |                          | 14       | <20       | 0.02      | <10       | 10       | 4        | <10      | 3        |
| W933251            |                          | 887      | 20        | 0.24      | <10       | <10      | 81       | <10      | 65       |
| W933252            |                          | 900      | <20       | 0.22      | <10       | <10      | 78       | <10      | 65       |
| W933253            |                          | 948      | 20        | 0.22      | <10       | <10      | 77       | <10      | 60       |
| W933254            |                          | 896      | <20       | 0.20      | <10       | <10      | 67       | <10      | 55       |
| W933255            |                          | 1055     | <20       | 0.22      | <10       | <10      | 73       | <10      | 59       |
| W933256            |                          | 1205     | 20        | 0.22      | <10       | <10      | 77       | <10      | 63       |
| W933257            |                          | 695      | <20       | 0.14      | <10       | <10      | 52       | <10      | 50       |
| W933258            |                          | 1425     | 20        | 0.21      | <10       | <10      | 75       | <10      | 63       |
| W933259            |                          | 1360     | <20       | 0.19      | <10       | <10      | 67       | <10      | 55       |
| W933260            |                          | 388      | <20       | 0.95      | <10       | <10      | 149      | <10      | 116      |
| W933261            |                          | 668      | <20       | 0.19      | <10       | <10      | 73       | <10      | 64       |
| W933262            |                          | 1240     | <20       | 0.22      | <10       | <10      | 71       | <10      | 66       |
| W933263            |                          | 901      | <20       | 0.21      | <10       | <10      | 71       | <10      | 50       |
| W933264            |                          | 348      | <20       | 0.16      | <10       | <10      | 65       | <10      | 45       |
| W933265            |                          | 622      | <20       | 0.19      | <10       | <10      | 67       | <10      | 70       |
| W933266            |                          | 807      | <20       | 0.22      | <10       | <10      | 77       | <10      | 68       |
| W933267            |                          | 543      | <20       | 0.22      | <10       | <10      | 75       | <10      | 64       |
| W933268            |                          | 935      | <20       | 0.20      | <10       | <10      | 71       | <10      | 64       |
| W933269            |                          | 977      | <20       | 0.20      | <10       | <10      | 72       | <10      | 63       |
| W933270            |                          | 18       | <20       | 0.03      | <10       | <10      | 6        | <10      | 4        |
| W933271            |                          | 1015     | <20       | 0.21      | <10       | <10      | 71       | <10      | 62       |
| W933272            |                          | 2070     | <20       | 0.21      | <10       | <10      | 76       | <10      | 60       |
| W933273            |                          | 1150     | <20       | 0.21      | <10       | <10      | 71       | <10      | 66       |



ALS Canada Ltd.  
2103 Dollarton Hwy  
North Vancouver BC V7H 0A7  
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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To: **HIGHGOLD MINING**  
**800 WEST PENDER ST, 320**  
**VANCOUVER BC V6C 2V6**

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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19301393**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

|                    |                                                                                                    |         |          |         |
|--------------------|----------------------------------------------------------------------------------------------------|---------|----------|---------|
| Applies to Method: | Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.<br>Ag-OG62  | Au-AA26 | ME-ICP61 | ME-OG62 |
| Applies to Method: | Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.<br>CRU-31 | CRU-QC  | LOG-21   | LOG-23  |
|                    | PUL-31                                                                                             | PUL-QC  | SPL-21   | WEI-21  |





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 2103 Dollarton Hwy  
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**QC CERTIFICATE TM19301393**

Project: Golden Perimeter  
 P.O. No.: GP-280A-6  
 This report is for 273 Drill Core samples submitted to our lab in Timmins, ON, Canada on 27-NOV-2019.  
 The following have access to data associated with this certificate:

|                |              |              |
|----------------|--------------|--------------|
| IAN DUNLOP     | DARWIN GREEN | NEAL MAGUIRE |
| CONOR MCKINLEY |              |              |

| SAMPLE PREPARATION |                                 |
|--------------------|---------------------------------|
| ALS CODE           | DESCRIPTION                     |
| WEI-21             | Received Sample Weight          |
| LOG-21             | Sample logging - ClientBarCode  |
| CRU-31             | Fine crushing - 70% <2mm        |
| PUL-QC             | Pulverizing QC Test             |
| CRU-QC             | Crushing QC Test                |
| LOG-23             | Pulp Login - Rcvd with Barcode  |
| SPL-21             | Split sample - riffle splitter  |
| PUL-31             | Pulverize up to 250g 85% <75 um |

| ANALYTICAL PROCEDURES |                                |         |
|-----------------------|--------------------------------|---------|
| ALS CODE              | DESCRIPTION                    |         |
| Ag-OG62               | Ore Grade Ag - Four Acid       |         |
| ME-OG62               | Ore Grade Elements - Four Acid | ICP-AES |
| Au-AA26               | Ore Grade Au 50g FA AA finish  | AAS     |
| ME-ICP61              | 33 element four acid ICP-AES   | ICP-AES |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

**Signature:**   
 Saa Traxler, General Manager, North Vancouver



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19301393**

| Sample Description         | Method Analyte Units LOD | Ag-OG62 | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|----------------------------|--------------------------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                            |                          | Ag ppm  | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm |
|                            |                          | 1       | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10     |
| <b>STANDARDS</b>           |                          |         |         |          |          |          |          |          |          |          |          |          |          |          |          |        |
| CDN-CM-34                  |                          |         |         | 3.9      | 6.68     | 115      | 500      | 1.0      | 7        | 2.15     | 1.0      | 43       | 242      | 5800     | 4.78     | 20     |
| CDN-CM-34                  |                          |         |         | 3.6      | 6.50     | 104      | 500      | 1.0      | 6        | 2.11     | 0.9      | 42       | 247      | 5540     | 4.75     | 20     |
| CDN-CM-34                  |                          |         |         | 3.5      | 6.55     | 109      | 510      | 1.0      | 9        | 2.14     | 1.0      | 42       | 241      | 5730     | 4.79     | 20     |
| CDN-CM-34                  |                          |         |         | 3.8      | 6.91     | 112      | 530      | 1.0      | 5        | 2.25     | 1.2      | 44       | 244      | 6090     | 5.07     | 20     |
| CDN-CM-34                  |                          |         |         | 4.2      | 6.30     | 105      | 490      | 1.0      | <2       | 2.10     | 0.9      | 41       | 255      | 5480     | 4.71     | 20     |
| Target Range - Lower Bound |                          |         |         | 2.5      | 5.88     | 90       | 430      | <0.5     | <2       | 1.83     | <0.5     | 37       | 217      | 5370     | 4.26     | <10    |
| Upper Bound                |                          |         |         | 4.9      | 7.21     | 122      | 610      | 2.1      | 8        | 2.25     | 2.0      | 47       | 267      | 6190     | 5.23     | 40     |
| EMOG-17                    |                          |         |         | 67.4     | 4.72     | 607      | 200      | 1.8      | 9        | 1.95     | 20.1     | 757      | 57       | 8370     | 4.85     | 10     |
| EMOG-17                    |                          |         |         | 64.7     | 4.52     | 573      | 1030     | 1.7      | 13       | 1.90     | 19.3     | 730      | 54       | 8010     | 4.78     | 10     |
| EMOG-17                    |                          |         |         | 66.4     | 4.63     | 590      | 240      | 1.7      | 10       | 1.95     | 19.9     | 747      | 55       | 8350     | 4.91     | 10     |
| EMOG-17                    |                          |         |         | 70.7     | 4.92     | 634      | 290      | 1.9      | 8        | 2.08     | 21.4     | 798      | 58       | 8950     | 5.22     | 10     |
| EMOG-17                    |                          |         |         | 64.4     | 4.44     | 568      | 330      | 1.7      | 6        | 1.91     | 19.0     | 733      | 57       | 7960     | 4.81     | 10     |
| Target Range - Lower Bound |                          |         |         | 60.4     | 4.18     | 517      | 930      | 0.7      | <2       | 1.72     | 17.7     | 685      | 49       | 7740     | 4.42     | <10    |
| Upper Bound                |                          |         |         | 75.0     | 5.13     | 643      | 1290     | 2.9      | 10       | 2.12     | 22.7     | 839      | 62       | 8910     | 5.42     | 30     |
| G91 7-1                    |                          |         | 48.3    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| G91 7-1                    |                          |         | 48.9    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| G91 7-1                    |                          |         | 48.9    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |         | 45.5    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |         | 51.3    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| GBM903-13                  |                          | 24      |         |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          | 22      |         |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          | 26      |         |          |          |          |          |          |          |          |          |          |          |          |          |        |
| KIP-19                     |                          |         | 2.50    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| KIP-19                     |                          |         | 2.42    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| KIP-19                     |                          |         | 2.47    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |         | 2.27    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |         | 2.59    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| MRGeo08                    |                          |         |         | 4.6      | 7.73     | 32       | 1130     | 3.3      | <2       | 2.82     | 2.1      | 19       | 98       | 642      | 4.03     | 20     |
| MRGeo08                    |                          |         |         | 4.5      | 7.22     | 36       | 1110     | 3.2      | <2       | 2.74     | 2.5      | 20       | 92       | 615      | 4.00     | 20     |
| MRGeo08                    |                          |         |         | 5.0      | 7.85     | 31       | 1150     | 3.3      | <2       | 2.83     | 2.1      | 20       | 93       | 650      | 4.22     | 20     |
| MRGeo08                    |                          |         |         | 4.3      | 7.17     | 33       | 1070     | 3.1      | 4        | 2.64     | 2.0      | 21       | 90       | 590      | 3.86     | 20     |
| MRGeo08                    |                          |         |         | 4.4      | 7.99     | 37       | 1130     | 3.3      | 4        | 2.77     | 2.0      | 21       | 93       | 633      | 4.09     | 20     |
| Target Range - Lower Bound |                          |         |         | 3.2      | 6.64     | 21       | 920      | 2.2      | <2       | 2.35     | 1.1      | 17       | 81       | 586      | 3.55     | <10    |
| Upper Bound                |                          |         |         | 5.6      | 8.14     | 45       | 1270     | 4.5      | 5        | 2.90     | 3.4      | 23       | 102      | 676      | 4.37     | 40     |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19301393**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|----------------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                            |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
|                            |                          | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01 |
| <b>STANDARDS</b>           |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| CDN-CM-34                  |                          | 2.84     | 20       | 3.69     | 444      | 290      | 0.75     | 249      | 1260     | 21       | 3.13     | 7        | 16       | 232      | <20      | 0.51 |
| CDN-CM-34                  |                          | 2.83     | 10       | 3.65     | 437      | 283      | 0.75     | 241      | 1230     | 21       | 3.00     | 7        | 16       | 222      | <20      | 0.48 |
| CDN-CM-34                  |                          | 2.85     | 10       | 3.68     | 440      | 292      | 0.76     | 246      | 1230     | 21       | 3.07     | 7        | 16       | 225      | <20      | 0.49 |
| CDN-CM-34                  |                          | 3.00     | 20       | 3.89     | 467      | 303      | 0.80     | 260      | 1310     | 24       | 3.25     | 7        | 17       | 237      | <20      | 0.52 |
| CDN-CM-34                  |                          | 2.78     | 20       | 3.65     | 443      | 282      | 0.74     | 241      | 1200     | 20       | 2.95     | 5        | 15       | 211      | <20      | 0.50 |
| Target Range - Lower Bound |                          | 2.51     | <10      | 3.29     | 399      | 269      | 0.66     | 220      | 1110     | 19       | 2.70     | <5       | 14       | 204      | <20      | 0.43 |
| Upper Bound                |                          | 3.09     | 40       | 4.05     | 499      | 331      | 0.83     | 271      | 1370     | 29       | 3.32     | 17       | 19       | 251      | 40       | 0.55 |
| EMOG-17                    |                          | 1.67     | 20       | 0.96     | 736      | 1070     | 1.10     | 7640     | 820      | 7390     | 3.30     | 806      | 8        | 211      | <20      | 0.33 |
| EMOG-17                    |                          | 1.66     | 20       | 0.94     | 721      | 1030     | 1.09     | 7300     | 800      | 7140     | 3.16     | 770      | 8        | 205      | <20      | 0.31 |
| EMOG-17                    |                          | 1.67     | 20       | 0.96     | 737      | 1065     | 1.12     | 7550     | 800      | 7320     | 3.25     | 791      | 8        | 205      | <20      | 0.32 |
| EMOG-17                    |                          | 1.79     | 20       | 1.03     | 789      | 1145     | 1.18     | 8060     | 880      | 7750     | 3.50     | 842      | 8        | 219      | <20      | 0.34 |
| EMOG-17                    |                          | 1.65     | 20       | 0.94     | 721      | 1055     | 1.08     | 7360     | 790      | 7210     | 3.15     | 773      | 8        | 194      | <20      | 0.31 |
| Target Range - Lower Bound |                          | 1.49     | <10      | 0.86     | 670      | 996      | 0.99     | 6820     | 700      | 6570     | 2.91     | 638      | 6        | 184      | <20      | 0.28 |
| Upper Bound                |                          | 1.85     | 40       | 1.08     | 830      | 1220     | 1.23     | 8330     | 880      | 8030     | 3.57     | 874      | 10       | 227      | 50       | 0.36 |
| G917-1                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G917-1                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G917-1                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| GBM903-13                  |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| KIP-19                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| KIP-19                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| KIP-19                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| MRGeo08                    |                          | 3.20     | 30       | 1.37     | 580      | 15       | 2.05     | 720      | 1070     | 1100     | 0.31     | <5       | 11       | 313      | 20       | 0.52 |
| MRGeo08                    |                          | 3.21     | 20       | 1.33     | 553      | 14       | 2.06     | 710      | 1050     | 1115     | 0.31     | 8        | 11       | 309      | 20       | 0.51 |
| MRGeo08                    |                          | 3.40     | 30       | 1.41     | 583      | 15       | 2.14     | 739      | 1100     | 1160     | 0.32     | <5       | 12       | 314      | 20       | 0.52 |
| MRGeo08                    |                          | 3.17     | 30       | 1.30     | 537      | 13       | 1.97     | 677      | 1020     | 1070     | 0.29     | 5        | 11       | 297      | 20       | 0.48 |
| MRGeo08                    |                          | 3.35     | 30       | 1.39     | 567      | 14       | 2.09     | 726      | 1100     | 1130     | 0.32     | 5        | 12       | 320      | 20       | 0.51 |
| Target Range - Lower Bound |                          | 2.79     | <10      | 1.17     | 497      | 12       | 1.76     | 621      | 930      | 969      | 0.27     | <5       | 10       | 276      | <20      | 0.44 |
| Upper Bound                |                          | 3.43     | 60       | 1.45     | 619      | 18       | 2.18     | 761      | 1160     | 1190     | 0.35     | 15       | 15       | 340      | 60       | 0.56 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19301393**

| Sample Description         | Method Analyte Units LOD | ME-ICP61<br>Ti<br>ppm<br>10 | ME-ICP61<br>U<br>ppm<br>10 | ME-ICP61<br>V<br>ppm<br>1 | ME-ICP61<br>W<br>ppm<br>10 | ME-ICP61<br>Zn<br>ppm<br>2 |
|----------------------------|--------------------------|-----------------------------|----------------------------|---------------------------|----------------------------|----------------------------|
| <b>STANDARDS</b>           |                          |                             |                            |                           |                            |                            |
| CDN-CM-34                  |                          | <10                         | <10                        | 166                       | 20                         | 195                        |
| CDN-CM-34                  |                          | <10                         | <10                        | 162                       | 20                         | 188                        |
| CDN-CM-34                  |                          | <10                         | <10                        | 164                       | 20                         | 198                        |
| CDN-CM-34                  |                          | 10                          | <10                        | 171                       | 30                         | 200                        |
| CDN-CM-34                  |                          | <10                         | <10                        | 157                       | 20                         | 202                        |
| Target Range - Lower Bound |                          | <10                         | <10                        | 149                       | <10                        | 176                        |
| Upper Bound                |                          | 20                          | 20                         | 184                       | 50                         | 219                        |
| EMOG-17                    |                          | 10                          | <10                        | 74                        | <10                        | 7550                       |
| EMOG-17                    |                          | <10                         | <10                        | 72                        | <10                        | 7220                       |
| EMOG-17                    |                          | <10                         | <10                        | 73                        | <10                        | 7480                       |
| EMOG-17                    |                          | <10                         | <10                        | 77                        | <10                        | 7860                       |
| EMOG-17                    |                          | <10                         | <10                        | 70                        | <10                        | 7330                       |
| Target Range - Lower Bound |                          | <10                         | <10                        | 67                        | <10                        | 6800                       |
| Upper Bound                |                          | 20                          | 20                         | 84                        | 20                         | 8320                       |
| G917-1                     |                          |                             |                            |                           |                            |                            |
| G917-1                     |                          |                             |                            |                           |                            |                            |
| G917-1                     |                          |                             |                            |                           |                            |                            |
| Target Range - Lower Bound |                          |                             |                            |                           |                            |                            |
| Upper Bound                |                          |                             |                            |                           |                            |                            |
| GBM903-13                  |                          |                             |                            |                           |                            |                            |
| Target Range - Lower Bound |                          |                             |                            |                           |                            |                            |
| Upper Bound                |                          |                             |                            |                           |                            |                            |
| KIP-19                     |                          |                             |                            |                           |                            |                            |
| KIP-19                     |                          |                             |                            |                           |                            |                            |
| KIP-19                     |                          |                             |                            |                           |                            |                            |
| Target Range - Lower Bound |                          |                             |                            |                           |                            |                            |
| Upper Bound                |                          |                             |                            |                           |                            |                            |
| MRGeo08                    |                          | <10                         | <10                        | 112                       | 10                         | 856                        |
| MRGeo08                    |                          | <10                         | <10                        | 109                       | <10                        | 806                        |
| MRGeo08                    |                          | <10                         | <10                        | 112                       | <10                        | 856                        |
| MRGeo08                    |                          | <10                         | <10                        | 106                       | <10                        | 766                        |
| MRGeo08                    |                          | <10                         | <10                        | 112                       | <10                        | 812                        |
| Target Range - Lower Bound |                          | <10                         | <10                        | 97                        | <10                        | 722                        |
| Upper Bound                |                          | 20                          | 30                         | 121                       | 30                         | 886                        |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM19301393**

| Sample Description         | Method Analyte Units LOD | Ag-OG62<br>Ag<br>ppm<br>1 | Au-AA26<br>Au<br>ppm<br>0.01 | ME-ICP61<br>Ag<br>ppm<br>0.5 | ME-ICP61<br>Al<br>%<br>0.01 | ME-ICP61<br>As<br>ppm<br>5 | ME-ICP61<br>Ba<br>ppm<br>10 | ME-ICP61<br>Be<br>ppm<br>0.5 | ME-ICP61<br>Bi<br>ppm<br>2 | ME-ICP61<br>Ca<br>%<br>0.01 | ME-ICP61<br>Cd<br>ppm<br>0.5 | ME-ICP61<br>Co<br>ppm<br>1 | ME-ICP61<br>Cr<br>ppm<br>1 | ME-ICP61<br>Cu<br>ppm<br>1 | ME-ICP61<br>Fe<br>%<br>0.01 | ME-ICP61<br>Ga<br>ppm<br>10 |
|----------------------------|--------------------------|---------------------------|------------------------------|------------------------------|-----------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|
| <b>STANDARDS</b>           |                          |                           |                              |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| OREAS 602                  |                          |                           |                              | >100                         | 4.49                        | 693                        | 240                         | 0.8                          | 61                         | 0.66                        | 25.6                         | 10                         | 33                         | 5210                       | 2.23                        | 20                          |
| OREAS 602                  |                          |                           |                              | >100                         | 4.25                        | 679                        | 330                         | 0.7                          | 66                         | 0.63                        | 25.0                         | 10                         | 32                         | 4940                       | 2.15                        | 20                          |
| OREAS 602                  |                          |                           |                              | >100                         | 4.26                        | 659                        | 160                         | 0.7                          | 55                         | 0.63                        | 24.8                         | 10                         | 33                         | 4930                       | 2.22                        | 20                          |
| OREAS 602                  |                          |                           |                              | >100                         | 4.40                        | 678                        | 390                         | 0.8                          | 67                         | 0.65                        | 25.4                         | 10                         | 31                         | 5050                       | 2.22                        | 20                          |
| OREAS 602                  |                          |                           |                              | >100                         | 4.39                        | 683                        | 150                         | 0.8                          | 62                         | 0.63                        | 24.9                         | 11                         | 35                         | 5060                       | 2.19                        | 20                          |
| Target Range - Lower Bound |                          |                           |                              | 107.5                        | 3.92                        | 579                        | 590                         | <0.5                         | 49                         | 0.55                        | 21.7                         | 7                          | 28                         | 4790                       | 2.01                        | <10                         |
| Upper Bound                |                          |                           |                              | 100.0                        | 4.82                        | 719                        | 830                         | 1.8                          | 65                         | 0.69                        | 27.7                         | 12                         | 36                         | 5510                       | 2.47                        | 40                          |
| OREAS 621                  |                          | 66                        |                              |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| Target Range - Lower Bound |                          | 66                        |                              |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| Upper Bound                |                          | 72                        |                              |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| OxP154                     |                          |                           | 15.15                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| OxP154                     |                          |                           | 15.55                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| OxP154                     |                          |                           | 14.90                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| Target Range - Lower Bound |                          |                           | 14.35                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| Upper Bound                |                          |                           | 16.20                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| PMP-18                     |                          |                           | 0.31                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| PMP-18                     |                          |                           | 0.30                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| PMP-18                     |                          |                           | 0.31                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| Target Range - Lower Bound |                          |                           | 0.28                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| Upper Bound                |                          |                           | 0.34                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| <b>BLANKS</b>              |                          |                           |                              |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| BLANK                      |                          | <1                        |                              |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| Target Range - Lower Bound |                          | <1                        |                              |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| Upper Bound                |                          | 2                         |                              |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| BLANK                      |                          |                           | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| BLANK                      |                          |                           | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| BLANK                      |                          |                           | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| BLANK                      |                          |                           | 0.01                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| BLANK                      |                          |                           | 0.01                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| BLANK                      |                          |                           | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| Target Range - Lower Bound |                          |                           | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| Upper Bound                |                          |                           | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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| Sample Description         | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|----------------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                            |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
|                            |                          | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01 |
| <b>STANDARDS</b>           |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| OREAS 602                  |                          | 0.70     | 10       | 0.19     | 241      | 4        | 0.45     | 60       | 580      | 1040     | 2.14     | 84       | 4        | 447      | <20      | 0.22 |
| OREAS 602                  |                          | 0.68     | 10       | 0.19     | 224      | 4        | 0.45     | 58       | 560      | 1020     | 2.09     | 83       | 4        | 454      | <20      | 0.21 |
| OREAS 602                  |                          | 0.69     | 10       | 0.19     | 247      | 5        | 0.44     | 60       | 570      | 1050     | 2.09     | 80       | 4        | 451      | <20      | 0.21 |
| OREAS 602                  |                          | 0.71     | 10       | 0.19     | 233      | 4        | 0.46     | 60       | 570      | 1045     | 2.13     | 86       | 4        | 466      | <20      | 0.22 |
| OREAS 602                  |                          | 0.70     | 10       | 0.19     | 228      | 4        | 0.46     | 64       | 570      | 1045     | 2.18     | 87       | 4        | 454      | <20      | 0.22 |
| Target Range - Lower Bound |                          | 0.60     | <10      | 0.17     | 198      | 2        | 0.40     | 53       | 500      | 918      | 1.90     | 61       | 2        | 417      | <20      | 0.18 |
| Upper Bound                |                          | 0.76     | 40       | 0.23     | 253      | 7        | 0.51     | 67       | 640      | 1125     | 2.34     | 97       | 6        | 511      | 50       | 0.24 |
| OREAS 621                  |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| OxP154                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| OxP154                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| OxP154                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| PMP-18                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| PMP-18                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| PMP-18                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| <b>BLANKS</b>              |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| BLANK                      |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| BLANK                      |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| BLANK                      |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| BLANK                      |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| BLANK                      |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| BLANK                      |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| BLANK                      |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Plus Appendix Pages  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19301393**

| Sample Description         | Method Analyte Units LOD | ME-ICP61<br>Tl<br>ppm<br>10 | ME-ICP61<br>U<br>ppm<br>10 | ME-ICP61<br>V<br>ppm<br>1 | ME-ICP61<br>W<br>ppm<br>10 | ME-ICP61<br>Zn<br>ppm<br>2 |
|----------------------------|--------------------------|-----------------------------|----------------------------|---------------------------|----------------------------|----------------------------|
| <b>STANDARDS</b>           |                          |                             |                            |                           |                            |                            |
| OREAS 602                  |                          | <10                         | <10                        | 34                        | 10                         | 4240                       |
| OREAS 602                  |                          | <10                         | <10                        | 32                        | 10                         | 4010                       |
| OREAS 602                  |                          | <10                         | <10                        | 32                        | 10                         | 4140                       |
| OREAS 602                  |                          | <10                         | <10                        | 34                        | 10                         | 4120                       |
| OREAS 602                  |                          | <10                         | <10                        | 33                        | 10                         | 4070                       |
| Target Range - Lower Bound |                          | <10                         | <10                        | 29                        | <10                        | 3770                       |
| Upper Bound                |                          | 20                          | 20                         | 37                        | 30                         | 4610                       |
| OREAS 621                  |                          |                             |                            |                           |                            |                            |
| Target Range - Lower Bound |                          |                             |                            |                           |                            |                            |
| Upper Bound                |                          |                             |                            |                           |                            |                            |
| OxP154                     |                          |                             |                            |                           |                            |                            |
| OxP154                     |                          |                             |                            |                           |                            |                            |
| OxP154                     |                          |                             |                            |                           |                            |                            |
| Target Range - Lower Bound |                          |                             |                            |                           |                            |                            |
| Upper Bound                |                          |                             |                            |                           |                            |                            |
| PMP-18                     |                          |                             |                            |                           |                            |                            |
| PMP-18                     |                          |                             |                            |                           |                            |                            |
| PMP-18                     |                          |                             |                            |                           |                            |                            |
| Target Range - Lower Bound |                          |                             |                            |                           |                            |                            |
| Upper Bound                |                          |                             |                            |                           |                            |                            |
| <b>BLANKS</b>              |                          |                             |                            |                           |                            |                            |
| BLANK                      |                          |                             |                            |                           |                            |                            |
| Target Range - Lower Bound |                          |                             |                            |                           |                            |                            |
| Upper Bound                |                          |                             |                            |                           |                            |                            |
| BLANK                      |                          |                             |                            |                           |                            |                            |
| BLANK                      |                          |                             |                            |                           |                            |                            |
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| BLANK                      |                          |                             |                            |                           |                            |                            |
| BLANK                      |                          |                             |                            |                           |                            |                            |
| Target Range - Lower Bound |                          |                             |                            |                           |                            |                            |
| Upper Bound                |                          |                             |                            |                           |                            |                            |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19301393**

| Method Analyte Units LOD   | Ag-OG62<br>Ag<br>ppm<br>1 | Au-AA26<br>Au<br>ppm<br>0.01 | ME-ICP61<br>Ag<br>ppm<br>0.5 | ME-ICP61<br>Al<br>%<br>0.01 | ME-ICP61<br>As<br>ppm<br>5 | ME-ICP61<br>Ba<br>ppm<br>10 | ME-ICP61<br>Be<br>ppm<br>0.5 | ME-ICP61<br>Bi<br>ppm<br>2 | ME-ICP61<br>Ca<br>%<br>0.01 | ME-ICP61<br>Cd<br>ppm<br>0.5 | ME-ICP61<br>Co<br>ppm<br>1 | ME-ICP61<br>Cr<br>ppm<br>1 | ME-ICP61<br>Cu<br>ppm<br>1 | ME-ICP61<br>Fe<br>%<br>0.01 | ME-ICP61<br>Ga<br>ppm<br>10 |
|----------------------------|---------------------------|------------------------------|------------------------------|-----------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|
| <b>BLANKS</b>              |                           |                              |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| BLANK                      |                           |                              | <0.5                         | <0.01                       | <5                         | <10                         | <0.5                         | <2                         | <0.01                       | <0.5                         | <1                         | 1                          | <1                         | <0.01                       | <10                         |
| BLANK                      |                           |                              | <0.5                         | <0.01                       | <5                         | <10                         | <0.5                         | <2                         | <0.01                       | <0.5                         | 1                          | <1                         | <1                         | <0.01                       | <10                         |
| BLANK                      |                           |                              | <0.5                         | <0.01                       | <5                         | <10                         | <0.5                         | <2                         | <0.01                       | <0.5                         | <1                         | <1                         | 1                          | <0.01                       | <10                         |
| BLANK                      |                           |                              | <0.5                         | <0.01                       | <5                         | <10                         | <0.5                         | <2                         | <0.01                       | <0.5                         | 1                          | <1                         | 1                          | <0.01                       | <10                         |
| BLANK                      |                           |                              | <0.5                         | <0.01                       | <5                         | <10                         | <0.5                         | <2                         | <0.01                       | <0.5                         | <1                         | <1                         | <1                         | <0.01                       | <10                         |
| BLANK                      |                           |                              | <0.5                         | <0.01                       | <5                         | <10                         | <0.5                         | <2                         | <0.01                       | <0.5                         | <1                         | <1                         | <1                         | <0.01                       | <10                         |
| BLANK                      |                           |                              | <0.5                         | <0.01                       | <5                         | <10                         | <0.5                         | <2                         | <0.01                       | <0.5                         | <1                         | <1                         | 1                          | <0.01                       | <10                         |
| BLANK                      |                           |                              | <0.5                         | <0.01                       | <5                         | <10                         | <0.5                         | <2                         | <0.01                       | <0.5                         | <1                         | 1                          | <1                         | <0.01                       | <10                         |
| BLANK                      |                           |                              | <0.5                         | <0.01                       | <5                         | <10                         | <0.5                         | <2                         | <0.01                       | <0.5                         | <1                         | <1                         | <1                         | <0.01                       | <10                         |
| Target Range - Lower Bound |                           |                              | <0.5                         | <0.01                       | <5                         | <10                         | <0.5                         | <2                         | <0.01                       | <0.5                         | <1                         | <1                         | <1                         | <0.01                       | <10                         |
| Upper Bound                |                           |                              | 1.0                          | 0.02                        | 10                         | 20                          | 1.0                          | 4                          | 0.02                        | 1.0                          | 2                          | 2                          | 2                          | 0.02                        | 20                          |
| <b>DUPLICATES</b>          |                           |                              |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| ORIGINAL                   | <1                        |                              |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| DUP                        | <1                        |                              |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| Target Range - Lower Bound | <1                        |                              |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| Upper Bound                | 2                         |                              |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| W933027                    |                           | 0.01                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| DUP                        |                           | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| Target Range - Lower Bound |                           | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| Upper Bound                |                           | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| W933028                    |                           |                              | <0.5                         | 7.35                        | <5                         | 3170                        | 1.6                          | <2                         | 2.45                        | <0.5                         | 12                         | 35                         | 27                         | 2.97                        | 20                          |
| DUP                        |                           |                              | <0.5                         | 6.99                        | <5                         | 3070                        | 1.6                          | <2                         | 2.37                        | <0.5                         | 11                         | 33                         | 27                         | 2.89                        | 20                          |
| Target Range - Lower Bound |                           |                              | <0.5                         | 6.80                        | <5                         | 2880                        | 1.0                          | <2                         | 2.28                        | <0.5                         | 10                         | 31                         | 25                         | 2.77                        | <10                         |
| Upper Bound                |                           |                              | 1.0                          | 7.54                        | 10                         | 3360                        | 2.2                          | 4                          | 2.54                        | 1.0                          | 13                         | 37                         | 29                         | 3.09                        | 30                          |
| W933047                    |                           | 0.20                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| DUP                        |                           | 0.17                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| Target Range - Lower Bound |                           | 0.17                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |
| Upper Bound                |                           | 0.20                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
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 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19301393**

| Method Analyte Units LOD   | ME-ICP61 K % | ME-ICP61 La ppm | ME-ICP61 Mg % | ME-ICP61 Mn ppm | ME-ICP61 Mo ppm | ME-ICP61 Na % | ME-ICP61 Ni ppm | ME-ICP61 P ppm | ME-ICP61 Pb ppm | ME-ICP61 S % | ME-ICP61 Sb ppm | ME-ICP61 Sc ppm | ME-ICP61 Sr ppm | ME-ICP61 Th ppm | ME-ICP61 Ti % |
|----------------------------|--------------|-----------------|---------------|-----------------|-----------------|---------------|-----------------|----------------|-----------------|--------------|-----------------|-----------------|-----------------|-----------------|---------------|
| <b>Sample Description</b>  | 0.01         | 10              | 0.01          | 5               | 1               | 0.01          | 1               | 10             | 2               | 0.01         | 5               | 1               | 1               | 20              | 0.01          |
| <b>BLANKS</b>              |              |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |
| BLANK                      | <0.01        | <10             | <0.01         | <5              | <1              | <0.01         | <1              | <10            | <2              | <0.01        | <5              | <1              | 1               | <20             | <0.01         |
| BLANK                      | <0.01        | <10             | <0.01         | <5              | <1              | <0.01         | <1              | <10            | <2              | <0.01        | <5              | <1              | <1              | <20             | <0.01         |
| BLANK                      | <0.01        | <10             | <0.01         | <5              | 1               | <0.01         | <1              | <10            | <2              | <0.01        | <5              | <1              | 1               | <20             | <0.01         |
| BLANK                      | <0.01        | <10             | <0.01         | <5              | 1               | <0.01         | 1               | <10            | 2               | <0.01        | <5              | <1              | <1              | <20             | <0.01         |
| BLANK                      | <0.01        | <10             | <0.01         | <5              | <1              | <0.01         | <1              | <10            | <2              | <0.01        | <5              | <1              | <1              | <20             | <0.01         |
| BLANK                      | <0.01        | <10             | <0.01         | <5              | <1              | <0.01         | <1              | <10            | <2              | <0.01        | <5              | <1              | 1               | <20             | <0.01         |
| BLANK                      | <0.01        | <10             | <0.01         | <5              | <1              | <0.01         | 1               | <10            | 2               | <0.01        | <5              | <1              | <1              | <20             | <0.01         |
| BLANK                      | <0.01        | <10             | <0.01         | <5              | <1              | <0.01         | <1              | <10            | <2              | <0.01        | <5              | <1              | 1               | <20             | <0.01         |
| BLANK                      | <0.01        | <10             | <0.01         | <5              | <1              | <0.01         | <1              | <10            | <2              | <0.01        | <5              | <1              | <1              | <20             | <0.01         |
| BLANK                      | <0.01        | <10             | <0.01         | <5              | <1              | <0.01         | <1              | <10            | <2              | <0.01        | <5              | <1              | <1              | <20             | <0.01         |
| Target Range - Lower Bound | <0.01        | <10             | <0.01         | <5              | <1              | <0.01         | <1              | <10            | <2              | <0.01        | <5              | <1              | <1              | <20             | <0.01         |
| Upper Bound                | 0.02         | 20              | 0.02          | 10              | 2               | 0.02          | 2               | 20             | 4               | 0.02         | 10              | 2               | 2               | 40              | 0.02          |
| <b>DUPLICATES</b>          |              |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |
| ORIGINAL                   |              |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |
| DUP                        |              |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |
| Target Range - Lower Bound |              |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |
| Upper Bound                |              |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |
| W933027                    |              |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |
| DUP                        |              |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |
| Target Range - Lower Bound |              |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |
| Upper Bound                |              |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |
| W933028                    | 2.60         | 40              | 1.77          | 548             | <1              | 3.44          | 19              | 1200           | 15              | 0.08         | <5              | 8               | 904             | <20             | 0.23          |
| DUP                        | 2.49         | 30              | 1.71          | 532             | <1              | 3.35          | 17              | 1160           | 15              | 0.08         | <5              | 8               | 874             | <20             | 0.22          |
| Target Range - Lower Bound | 2.41         | 20              | 1.64          | 508             | <1              | 3.22          | 16              | 1110           | 12              | 0.07         | <5              | 7               | 844             | <20             | 0.20          |
| Upper Bound                | 2.68         | 50              | 1.84          | 572             | 2               | 3.57          | 20              | 1250           | 18              | 0.09         | 10              | 9               | 934             | 40              | 0.25          |
| W933047                    |              |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |
| DUP                        |              |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |
| Target Range - Lower Bound |              |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |
| Upper Bound                |              |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19301393**

| Sample Description         | Method Analyte Units LOD | ME-ICP61<br>Ti<br>ppm<br>10 | ME-ICP61<br>U<br>ppm<br>10 | ME-ICP61<br>V<br>ppm<br>1 | ME-ICP61<br>W<br>ppm<br>10 | ME-ICP61<br>Zn<br>ppm<br>2 |
|----------------------------|--------------------------|-----------------------------|----------------------------|---------------------------|----------------------------|----------------------------|
| <b>BLANKS</b>              |                          |                             |                            |                           |                            |                            |
| BLANK                      |                          | <10                         | <10                        | <1                        | <10                        | <2                         |
| BLANK                      |                          | <10                         | <10                        | <1                        | <10                        | <2                         |
| BLANK                      |                          | <10                         | <10                        | <1                        | <10                        | <2                         |
| BLANK                      |                          | <10                         | <10                        | <1                        | <10                        | <2                         |
| BLANK                      |                          | <10                         | <10                        | <1                        | <10                        | <2                         |
| BLANK                      |                          | <10                         | <10                        | <1                        | <10                        | <2                         |
| BLANK                      |                          | <10                         | <10                        | <1                        | <10                        | <2                         |
| BLANK                      |                          | <10                         | <10                        | <1                        | <10                        | <2                         |
| BLANK                      |                          | <10                         | 10                         | <1                        | <10                        | <2                         |
| BLANK                      |                          | <10                         | <10                        | <1                        | <10                        | <2                         |
| Target Range - Lower Bound |                          | <10                         | <10                        | <1                        | <10                        | <2                         |
| Upper Bound                |                          | 20                          | 20                         | 2                         | 20                         | 4                          |
| <b>DUPLICATES</b>          |                          |                             |                            |                           |                            |                            |
| ORIGINAL                   |                          |                             |                            |                           |                            |                            |
| DUP                        |                          |                             |                            |                           |                            |                            |
| Target Range - Lower Bound |                          |                             |                            |                           |                            |                            |
| Upper Bound                |                          |                             |                            |                           |                            |                            |
| W933027                    |                          |                             |                            |                           |                            |                            |
| DUP                        |                          |                             |                            |                           |                            |                            |
| Target Range - Lower Bound |                          |                             |                            |                           |                            |                            |
| Upper Bound                |                          |                             |                            |                           |                            |                            |
| W933028                    |                          | <10                         | <10                        | 80                        | <10                        | 73                         |
| DUP                        |                          | <10                         | <10                        | 77                        | <10                        | 71                         |
| Target Range - Lower Bound |                          | <10                         | <10                        | 74                        | <10                        | 66                         |
| Upper Bound                |                          | 20                          | 20                         | 83                        | 20                         | 78                         |
| W933047                    |                          |                             |                            |                           |                            |                            |
| DUP                        |                          |                             |                            |                           |                            |                            |
| Target Range - Lower Bound |                          |                             |                            |                           |                            |                            |
| Upper Bound                |                          |                             |                            |                           |                            |                            |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Finalized Date: 19-DEC-2019  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19301393**

| Sample Description         | Method Analyte Units LOD | Ag-OG62 | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|----------------------------|--------------------------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                            |                          | Ag ppm  | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm |
|                            |                          | 1       | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10     |
| <b>DUPLICATES</b>          |                          |         |         |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W933064                    |                          |         |         | <0.5     | 7.97     | <5       | 2580     | 1.9      | 2        | 2.41     | <0.5     | 13       | 33       | 14       | 3.11     | 20     |
| DUP                        |                          |         |         | <0.5     | 7.96     | <5       | 2530     | 1.9      | <2       | 2.36     | <0.5     | 13       | 31       | 13       | 3.06     | 20     |
| Target Range - Lower Bound |                          |         |         | <0.5     | 7.56     | <5       | 2350     | 1.3      | <2       | 2.26     | <0.5     | 11       | 29       | 12       | 2.92     | <10    |
| Upper Bound                |                          |         |         | 1.0      | 8.37     | 10       | 2760     | 2.5      | 4        | 2.51     | 1.0      | 15       | 35       | 15       | 3.25     | 30     |
| W933067                    |                          |         | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |         | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |         | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |         | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W933100                    |                          |         |         | <0.5     | 6.66     | 760      | 440      | 1.0      | 2        | 5.32     | <0.5     | 37       | 176      | 91       | 9.71     | 20     |
| DUP                        |                          |         |         | 0.5      | 6.52     | 727      | 430      | 1.0      | <2       | 5.28     | <0.5     | 37       | 175      | 89       | 9.56     | 20     |
| Target Range - Lower Bound |                          |         |         | <0.5     | 6.25     | 701      | 390      | <0.5     | <2       | 5.03     | <0.5     | 34       | 166      | 86       | 9.14     | <10    |
| Upper Bound                |                          |         |         | 1.0      | 6.93     | 786      | 480      | 1.6      | 4        | 5.58     | 1.0      | 40       | 185      | 94       | 10.15    | 30     |
| W933105                    |                          |         | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |         | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |         | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |         | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W933125                    |                          |         | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |         | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |         | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |         | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W933136                    |                          |         |         | <0.5     | 7.06     | <5       | 2660     | 1.9      | <2       | 2.33     | <0.5     | 11       | 35       | 34       | 2.86     | 20     |
| DUP                        |                          |         |         | <0.5     | 7.14     | <5       | 2700     | 1.9      | <2       | 2.39     | <0.5     | 13       | 37       | 35       | 2.92     | 20     |
| Target Range - Lower Bound |                          |         |         | <0.5     | 6.74     | <5       | 2470     | 1.3      | <2       | 2.23     | <0.5     | 10       | 33       | 32       | 2.74     | <10    |
| Upper Bound                |                          |         |         | 1.0      | 7.47     | 10       | 2890     | 2.5      | 4        | 2.49     | 1.0      | 14       | 39       | 37       | 3.04     | 30     |
| W933145                    |                          |         | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |         | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |         | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |         | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W933172                    |                          |         |         | <0.5     | 7.51     | <5       | 3270     | 2.1      | <2       | 2.45     | <0.5     | 13       | 33       | 74       | 2.81     | 20     |
| DUP                        |                          |         |         | <0.5     | 7.68     | <5       | 3280     | 2.1      | <2       | 2.45     | <0.5     | 13       | 33       | 70       | 2.86     | 20     |
| Target Range - Lower Bound |                          |         |         | <0.5     | 7.21     | <5       | 3020     | 1.5      | <2       | 2.32     | <0.5     | 11       | 30       | 68       | 2.68     | <10    |
| Upper Bound                |                          |         |         | 1.0      | 7.98     | 10       | 3530     | 2.7      | 4        | 2.58     | 1.0      | 15       | 36       | 76       | 2.99     | 30     |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19301393**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|----------------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                            |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
|                            |                          | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01 |
| <b>DUPLICATES</b>          |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W933064                    |                          | 2.72     | 50       | 1.47     | 607      | <1       | 3.62     | 17       | 1280     | 25       | 0.03     | <5       | 9        | 1340     | 20       | 0.24 |
| DUP                        |                          | 2.68     | 50       | 1.43     | 584      | <1       | 3.58     | 18       | 1210     | 21       | 0.03     | <5       | 9        | 1325     | 20       | 0.23 |
| Target Range - Lower Bound |                          | 2.56     | 40       | 1.37     | 561      | <1       | 3.41     | 16       | 1170     | 20       | 0.02     | <5       | 8        | 1265     | <20      | 0.21 |
| Upper Bound                |                          | 2.85     | 60       | 1.53     | 630      | 2        | 3.79     | 19       | 1320     | 26       | 0.04     | 10       | 10       | 1400     | 40       | 0.26 |
| W933067                    |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W933100                    |                          | 0.71     | 20       | 3.63     | 2550     | 3        | 1.93     | 134      | 1890     | 2        | 0.97     | <5       | 17       | 359      | <20      | 0.88 |
| DUP                        |                          | 0.70     | 20       | 3.57     | 2510     | 4        | 1.89     | 132      | 1850     | 3        | 0.95     | <5       | 17       | 350      | <20      | 0.88 |
| Target Range - Lower Bound |                          | 0.66     | <10      | 3.41     | 2400     | 2        | 1.80     | 125      | 1770     | <2       | 0.90     | <5       | 15       | 336      | <20      | 0.83 |
| Upper Bound                |                          | 0.75     | 30       | 3.79     | 2660     | 5        | 2.02     | 141      | 1970     | 4        | 1.02     | 10       | 19       | 373      | 40       | 0.93 |
| W933105                    |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W933125                    |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W933136                    |                          | 2.50     | 40       | 1.31     | 595      | <1       | 3.69     | 16       | 1170     | 32       | 0.42     | <5       | 8        | 1025     | <20      | 0.22 |
| DUP                        |                          | 2.53     | 40       | 1.33     | 605      | <1       | 3.72     | 18       | 1170     | 37       | 0.42     | <5       | 8        | 1045     | <20      | 0.22 |
| Target Range - Lower Bound |                          | 2.38     | 30       | 1.24     | 565      | <1       | 3.51     | 15       | 1100     | 31       | 0.39     | <5       | 7        | 982      | <20      | 0.20 |
| Upper Bound                |                          | 2.65     | 50       | 1.40     | 635      | 2        | 3.90     | 19       | 1240     | 38       | 0.45     | 10       | 9        | 1090     | 40       | 0.24 |
| W933145                    |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W933172                    |                          | 2.31     | 40       | 1.28     | 542      | <1       | 3.97     | 18       | 1170     | 21       | 0.32     | <5       | 8        | 1100     | 20       | 0.21 |
| DUP                        |                          | 2.33     | 40       | 1.31     | 545      | <1       | 3.95     | 17       | 1170     | 24       | 0.33     | <5       | 9        | 1115     | <20      | 0.22 |
| Target Range - Lower Bound |                          | 2.19     | 30       | 1.22     | 511      | <1       | 3.75     | 16       | 1100     | 19       | 0.30     | <5       | 7        | 1050     | <20      | 0.19 |
| Upper Bound                |                          | 2.45     | 50       | 1.37     | 576      | 2        | 4.17     | 19       | 1240     | 26       | 0.35     | 10       | 10       | 1165     | 40       | 0.24 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

|                                   |                   |
|-----------------------------------|-------------------|
| <b>QC CERTIFICATE OF ANALYSIS</b> | <b>TM19301393</b> |
|-----------------------------------|-------------------|

| Sample Description         | Method Analyte Units LOD | ME-ICP61<br>TI<br>ppm<br>10 | ME-ICP61<br>U<br>ppm<br>10 | ME-ICP61<br>V<br>ppm<br>1 | ME-ICP61<br>W<br>ppm<br>10 | ME-ICP61<br>Zn<br>ppm<br>2 |
|----------------------------|--------------------------|-----------------------------|----------------------------|---------------------------|----------------------------|----------------------------|
| <b>DUPLICATES</b>          |                          |                             |                            |                           |                            |                            |
| W933064                    |                          | <10                         | <10                        | 80                        | <10                        | 66                         |
| DUP                        |                          | <10                         | <10                        | 78                        | <10                        | 63                         |
| Target Range - Lower Bound |                          | <10                         | <10                        | 74                        | <10                        | 59                         |
| Upper Bound                |                          | 20                          | 20                         | 84                        | 20                         | 70                         |
| W933067                    |                          |                             |                            |                           |                            |                            |
| DUP                        |                          |                             |                            |                           |                            |                            |
| Target Range - Lower Bound |                          |                             |                            |                           |                            |                            |
| Upper Bound                |                          |                             |                            |                           |                            |                            |
| W933100                    |                          | <10                         | <10                        | 147                       | <10                        | 131                        |
| DUP                        |                          | <10                         | <10                        | 145                       | <10                        | 128                        |
| Target Range - Lower Bound |                          | <10                         | <10                        | 138                       | <10                        | 121                        |
| Upper Bound                |                          | 20                          | 20                         | 154                       | 20                         | 138                        |
| W933105                    |                          |                             |                            |                           |                            |                            |
| DUP                        |                          |                             |                            |                           |                            |                            |
| Target Range - Lower Bound |                          |                             |                            |                           |                            |                            |
| Upper Bound                |                          |                             |                            |                           |                            |                            |
| W933125                    |                          |                             |                            |                           |                            |                            |
| DUP                        |                          |                             |                            |                           |                            |                            |
| Target Range - Lower Bound |                          |                             |                            |                           |                            |                            |
| Upper Bound                |                          |                             |                            |                           |                            |                            |
| W933136                    |                          | <10                         | <10                        | 75                        | <10                        | 62                         |
| DUP                        |                          | <10                         | <10                        | 75                        | <10                        | 64                         |
| Target Range - Lower Bound |                          | <10                         | <10                        | 70                        | <10                        | 58                         |
| Upper Bound                |                          | 20                          | 20                         | 80                        | 20                         | 68                         |
| W933145                    |                          |                             |                            |                           |                            |                            |
| DUP                        |                          |                             |                            |                           |                            |                            |
| Target Range - Lower Bound |                          |                             |                            |                           |                            |                            |
| Upper Bound                |                          |                             |                            |                           |                            |                            |
| W933172                    |                          | <10                         | <10                        | 75                        | <10                        | 63                         |
| DUP                        |                          | <10                         | <10                        | 75                        | <10                        | 63                         |
| Target Range - Lower Bound |                          | <10                         | <10                        | 70                        | <10                        | 58                         |
| Upper Bound                |                          | 20                          | 20                         | 80                        | 20                         | 68                         |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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| Sample Description         | Method Analyte Units LOD | Ag-OG62 | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|----------------------------|--------------------------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                            |                          | Ag ppm  | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm |
|                            |                          | 1       | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10     |
| <b>DUPLICATES</b>          |                          |         |         |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W933199                    |                          |         | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |         | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |         | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |         | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W933209                    |                          |         | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |         | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |         | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |         | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W933234                    |                          |         |         | <0.5     | 6.20     | <5       | 2300     | 1.4      | <2       | 1.83     | <0.5     | 8        | 26       | 41       | 2.05     | 20     |
| DUP                        |                          |         |         | <0.5     | 6.15     | <5       | 2300     | 1.4      | <2       | 1.82     | <0.5     | 8        | 30       | 43       | 2.04     | 20     |
| Target Range - Lower Bound |                          |         |         | <0.5     | 5.86     | <5       | 2120     | 0.8      | <2       | 1.72     | <0.5     | 7        | 26       | 40       | 1.93     | <10    |
| Upper Bound                |                          |         |         | 1.0      | 6.49     | 10       | 2480     | 2.0      | 4        | 1.93     | 1.0      | 9        | 30       | 44       | 2.16     | 30     |
| W933257                    |                          |         | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |         | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |         | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |         | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W933270                    |                          |         |         | <0.5     | 0.67     | <5       | 20       | <0.5     | <2       | 0.03     | <0.5     | <1       | 13       | 3        | 0.86     | <10    |
| DUP                        |                          |         |         | <0.5     | 0.69     | <5       | 20       | <0.5     | <2       | 0.03     | <0.5     | <1       | 16       | 5        | 0.95     | <10    |
| Target Range - Lower Bound |                          |         |         | <0.5     | 0.64     | <5       | <10      | <0.5     | <2       | 0.02     | <0.5     | <1       | 13       | 3        | 0.85     | <10    |
| Upper Bound                |                          |         |         | 1.0      | 0.72     | 10       | 30       | 1.0      | 4        | 0.04     | 1.0      | 2        | 16       | 5        | 0.96     | 20     |
| ORIGINAL                   |                          |         |         | 11.9     | 8.04     | 434      | 1150     | 1.5      | <2       | 4.95     | 1.1      | 17       | 16       | 104      | 5.60     | 20     |
| DUP                        |                          |         |         | 16.1     | 7.85     | 436      | 760      | 1.5      | <2       | 4.99     | 1.1      | 16       | 16       | 105      | 5.58     | 20     |
| Target Range - Lower Bound |                          |         |         | 12.8     | 7.54     | 408      | 870      | 0.9      | <2       | 4.71     | <0.5     | 15       | 14       | 100      | 5.30     | <10    |
| Upper Bound                |                          |         |         | 15.2     | 8.35     | 462      | 1040     | 2.1      | 4        | 5.23     | 1.7      | 18       | 18       | 109      | 5.88     | 30     |
| ORIGINAL                   |                          |         |         | 0.5      | 7.76     | 122      | 2270     | 1.0      | <2       | 3.59     | 0.7      | 10       | 7        | 24       | 3.89     | 20     |
| DUP                        |                          |         |         | 0.5      | 7.63     | 134      | 2290     | 1.0      | <2       | 3.62     | 0.6      | 10       | 8        | 23       | 3.91     | 20     |
| Target Range - Lower Bound |                          |         |         | <0.5     | 7.30     | 117      | 2100     | <0.5     | <2       | 3.41     | <0.5     | 9        | 6        | 22       | 3.70     | <10    |
| Upper Bound                |                          |         |         | 1.0      | 8.09     | 139      | 2460     | 1.6      | 4        | 3.80     | 1.0      | 12       | 9        | 25       | 4.11     | 30     |
| ORIGINAL                   |                          |         |         | 4.0      | 7.28     | 29       | 500      | 1.1      | <2       | 6.20     | <0.5     | 16       | 50       | 50       | 4.11     | 20     |
| DUP                        |                          |         |         | 4.1      | 6.50     | 33       | 170      | 1.1      | <2       | 6.07     | 0.5      | 14       | 49       | 50       | 3.96     | 20     |
| Target Range - Lower Bound |                          |         |         | 3.3      | 6.54     | 24       | 300      | <0.5     | <2       | 5.82     | <0.5     | 13       | 46       | 47       | 3.82     | <10    |
| Upper Bound                |                          |         |         | 4.8      | 7.24     | 38       | 370      | 1.7      | 4        | 6.45     | 1.0      | 17       | 53       | 53       | 4.25     | 30     |



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 North Vancouver BC V7H 0A7  
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 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19301393**

| Sample Description                                           | Method Analyte Units LOD | ME-ICP61                     | ME-ICP61               | ME-ICP61                      | ME-ICP61                     | ME-ICP61             | ME-ICP61                      | ME-ICP61             | ME-ICP61                     | ME-ICP61             | ME-ICP61                        | ME-ICP61             | ME-ICP61             | ME-ICP61                 | ME-ICP61                |                              |
|--------------------------------------------------------------|--------------------------|------------------------------|------------------------|-------------------------------|------------------------------|----------------------|-------------------------------|----------------------|------------------------------|----------------------|---------------------------------|----------------------|----------------------|--------------------------|-------------------------|------------------------------|
|                                                              |                          | K %                          | La ppm                 | Mg %                          | Mn ppm                       | Mo ppm               | Na %                          | Ni ppm               | P ppm                        | Pb ppm               | S %                             | Sb ppm               | Sc ppm               | Sr ppm                   | Th ppm                  | Ti %                         |
| <b>DUPLICATES</b>                                            |                          |                              |                        |                               |                              |                      |                               |                      |                              |                      |                                 |                      |                      |                          |                         |                              |
| W933199<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | 0.01                         | 10                     | 0.01                          | 5                            | 1                    | 0.01                          | 1                    | 10                           | 2                    | 0.01                            | 5                    | 1                    | 1                        | 20                      | 0.01                         |
| W933209<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                              |                        |                               |                              |                      |                               |                      |                              |                      |                                 |                      |                      |                          |                         |                              |
| W933234<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | 1.73<br>1.73<br>1.63<br>1.83 | 30<br>30<br>20<br>40   | 0.95<br>0.95<br>0.89<br>1.01  | 376<br>378<br>353<br>401     | 14<br>13<br>12<br>15 | 3.42<br>3.41<br>3.23<br>3.60  | 13<br>13<br>11<br>15 | 750<br>750<br>700<br>800     | 33<br>35<br>30<br>38 | 0.53<br>0.53<br>0.49<br>0.57    | <5<br><5<br><5<br>10 | 5<br>5<br>4<br>6     | 667<br>658<br>628<br>697 | <20<br><20<br><20<br>40 | 0.14<br>0.15<br>0.13<br>0.16 |
| W933257<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                              |                        |                               |                              |                      |                               |                      |                              |                      |                                 |                      |                      |                          |                         |                              |
| W933270<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | 0.04<br>0.04<br>0.03<br>0.05 | 10<br>10<br><10<br>20  | 0.02<br>0.03<br><0.01<br>0.04 | 40<br>42<br>34<br>48         | <1<br><1<br><1<br>2  | 0.02<br>0.02<br><0.01<br>0.03 | <1<br>2<br><1<br>2   | 60<br>60<br>50<br>70         | <2<br><2<br><2<br>4  | <0.01<br><0.01<br><0.01<br>0.02 | <5<br><5<br><5<br>10 | 1<br>1<br><1<br>2    | 18<br>16<br>15<br>19     | <20<br><20<br><20<br>40 | 0.03<br>0.04<br>0.02<br>0.05 |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | 3.45<br>3.43<br>3.26<br>3.62 | 10<br>10<br><10<br>20  | 0.92<br>0.90<br>0.85<br>0.97  | 1665<br>1665<br>1575<br>1755 | 3<br>3<br>2<br>4     | 0.26<br>0.26<br>0.24<br>0.28  | 10<br>7<br>7<br>10   | 1640<br>1640<br>1550<br>1730 | 29<br>27<br>25<br>31 | 4.67<br>4.68<br>4.43<br>4.92    | <5<br>6<br><5<br>10  | 19<br>18<br>17<br>20 | 291<br>289<br>275<br>306 | <20<br><20<br><20<br>40 | 0.35<br>0.36<br>0.33<br>0.38 |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | 3.01<br>3.08<br>2.88<br>3.21 | 10<br>10<br><10<br>20  | 1.20<br>1.19<br>1.13<br>1.26  | 1320<br>1335<br>1255<br>1400 | 1<br>1<br><1<br>2    | 2.18<br>2.22<br>2.08<br>2.32  | 3<br>3<br>2<br>4     | 960<br>990<br>920<br>1030    | 16<br>13<br>12<br>17 | 0.95<br>0.96<br>0.90<br>1.01    | 9<br>6<br><5<br>10   | 12<br>11<br>10<br>13 | 407<br>414<br>389<br>432 | <20<br><20<br><20<br>40 | 0.31<br>0.31<br>0.28<br>0.34 |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | 3.73<br>3.68<br>3.51<br>3.90 | 10<br><10<br><10<br>20 | 1.20<br>1.12<br>1.09<br>1.23  | 1240<br>1250<br>1180<br>1310 | 3<br>3<br>2<br>4     | 0.08<br>0.08<br>0.07<br>0.09  | 46<br>44<br>42<br>48 | 900<br>880<br>840<br>940     | 20<br>22<br>18<br>24 | 4.62<br>4.48<br>4.31<br>4.79    | 15<br>20<br>11<br>24 | 14<br>12<br>11<br>15 | 210<br>203<br>195<br>218 | <20<br><20<br><20<br>40 | 0.26<br>0.25<br>0.23<br>0.28 |



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19301393**

| Sample Description                                           | Method Analyte Units LOD | ME-ICP61<br>Tl<br>ppm<br>10 | ME-ICP61<br>U<br>ppm<br>10 | ME-ICP61<br>V<br>ppm<br>1 | ME-ICP61<br>W<br>ppm<br>10 | ME-ICP61<br>Zn<br>ppm<br>2 |
|--------------------------------------------------------------|--------------------------|-----------------------------|----------------------------|---------------------------|----------------------------|----------------------------|
| <b>DUPLICATES</b>                                            |                          |                             |                            |                           |                            |                            |
| W933199<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                             |                            |                           |                            |                            |
| W933209<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                             |                            |                           |                            |                            |
| W933234<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | <10<br><10<br><10<br>20     | <10<br><10<br><10<br>20    | 52<br>52<br>48<br>56      | <10<br><10<br><10<br>20    | 45<br>46<br>41<br>50       |
| W933257<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                             |                            |                           |                            |                            |
| W933270<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | <10<br><10<br><10<br>20     | <10<br><10<br><10<br>20    | 6<br>6<br>5<br>7          | <10<br><10<br><10<br>20    | 4<br>5<br><2<br>7          |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | <10<br><10<br><10<br>20     | <10<br>10<br><10<br>20     | 185<br>186<br>175<br>196  | <10<br><10<br><10<br>20    | 141<br>140<br>131<br>150   |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | <10<br><10<br><10<br>20     | <10<br><10<br><10<br>20    | 121<br>121<br>114<br>128  | <10<br><10<br><10<br>20    | 146<br>152<br>140<br>158   |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | 10<br><10<br><10<br>20      | <10<br><10<br><10<br>20    | 127<br>126<br>119<br>134  | <10<br><10<br><10<br>20    | 111<br>103<br>100<br>114   |





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 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19301393**

| Sample Description         | Method Analyte Units LOD | Ag-OG62 | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|----------------------------|--------------------------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                            |                          | Ag ppm  | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm |
|                            |                          | 1       | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10     |
| <b>DUPLICATES</b>          |                          |         |         |          |          |          |          |          |          |          |          |          |          |          |          |        |
| ORIGINAL                   |                          |         | 0.15    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |         | 0.17    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |         | 0.14    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |         | 0.18    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| ORIGINAL                   |                          |         | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |         | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |         | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |         | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| ORIGINAL                   |                          |         | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |         | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |         | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |         | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| ORIGINAL                   |                          |         | 7.14    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |         | 7.55    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |         | 6.97    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |         | 7.72    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| ORIGINAL                   |                          |         | 0.78    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |         | 0.83    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |         | 0.75    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |         | 0.86    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| ORIGINAL                   |                          |         | 0.45    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |         | 0.47    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |         | 0.43    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |         | 0.49    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| ORIGINAL                   |                          |         | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |         | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |         | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |         | 0.03    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| ORIGINAL                   |                          |         | 0.03    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |         | 0.03    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |         | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |         | 0.04    |          |          |          |          |          |          |          |          |          |          |          |          |        |



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 North Vancouver BC V7H 0A7  
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|----------------------------------------------|
| <b>QC CERTIFICATE OF ANALYSIS TM19301393</b> |
|----------------------------------------------|

| Sample Description                                           | Method Analyte Units LOD | ME-ICP61<br>K<br>% | ME-ICP61<br>La<br>ppm | ME-ICP61<br>Mg<br>% | ME-ICP61<br>Mn<br>ppm | ME-ICP61<br>Mo<br>ppm | ME-ICP61<br>Na<br>% | ME-ICP61<br>Ni<br>ppm | ME-ICP61<br>P<br>ppm | ME-ICP61<br>Pb<br>ppm | ME-ICP61<br>S<br>% | ME-ICP61<br>Sb<br>ppm | ME-ICP61<br>Sc<br>ppm | ME-ICP61<br>Sr<br>ppm | ME-ICP61<br>Th<br>ppm | ME-ICP61<br>Ti<br>% |
|--------------------------------------------------------------|--------------------------|--------------------|-----------------------|---------------------|-----------------------|-----------------------|---------------------|-----------------------|----------------------|-----------------------|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|
|                                                              |                          | 0.01               | 10                    | 0.01                | 5                     | 1                     | 0.01                | 1                     | 10                   | 2                     | 0.01               | 5                     | 1                     | 1                     | 20                    | 0.01                |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound | <b>DUPLICATES</b>        |                    |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                    |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                    |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                    |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                    |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                    |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                    |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                    |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                    |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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|                                                 |
|-------------------------------------------------|
| <b>QC CERTIFICATE OF ANALYSIS    TM19301393</b> |
|-------------------------------------------------|

| Sample Description                                           | Method Analyte Units LOD | ME-ICP61<br>Ti<br>ppm<br>10 | ME-ICP61<br>U<br>ppm<br>10 | ME-ICP61<br>V<br>ppm<br>1 | ME-ICP61<br>W<br>ppm<br>10 | ME-ICP61<br>Zn<br>ppm<br>2 |
|--------------------------------------------------------------|--------------------------|-----------------------------|----------------------------|---------------------------|----------------------------|----------------------------|
| DUPLICATES                                                   |                          |                             |                            |                           |                            |                            |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                            |                           |                            |                            |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                            |                           |                            |                            |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                            |                           |                            |                            |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                            |                           |                            |                            |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                            |                           |                            |                            |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                            |                           |                            |                            |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                            |                           |                            |                            |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                            |                           |                            |                            |



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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**QC CERTIFICATE OF ANALYSIS TM19301393**

| Sample Description     | Method | Analyte | Units | LOD | Ag-OG62 | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |     |      |     |
|------------------------|--------|---------|-------|-----|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|------|-----|
|                        |        |         |       |     | Ag      | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu  | Fe   | Ga  |
|                        |        |         |       |     | ppm     | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm | %    | ppm |
|                        |        |         |       |     | 1       | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1   | 0.01 | 10  |
| <b>PREP DUPLICATES</b> |        |         |       |     |         |         |          |          |          |          |          |          |          |          |          |          |     |      |     |
| W933183                |        |         |       |     |         | 0.02    | <0.5     | 7.51     | <5       | 2660     | 2.0      | <2       | 2.56     | <0.5     | 13       | 40       | 36  | 3.02 | 20  |
| W933183 PREP DUP       |        |         |       |     |         | 0.07    | <0.5     | 7.43     | <5       | 2650     | 2.0      | <2       | 2.55     | <0.5     | 12       | 38       | 48  | 3.00 | 20  |

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 North Vancouver BC V7H 0A7  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19301393**

| Sample Description     | Method | Analyte | Units | LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |     |      |
|------------------------|--------|---------|-------|-----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|-----|------|
|                        |        |         |       |     | K        | La       | Mg       | Mn       | Mo       | Na       | Ni       | P        | Pb       | S        | Sb       | Sc       | Sr   | Th  | Ti   |
|                        |        |         |       |     | %        | ppm      | %        | ppm      | ppm      | %        | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm  | ppm | %    |
|                        |        |         |       |     | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1    | 20  | 0.01 |
| <b>PREP DUPLICATES</b> |        |         |       |     |          |          |          |          |          |          |          |          |          |          |          |          |      |     |      |
| W933183                |        |         |       |     | 2.62     | 40       | 1.42     | 626      | <1       | 3.80     | 21       | 1210     | 22       | 0.18     | <5       | 8        | 1335 | 20  | 0.22 |
| W933183 PREP DUP       |        |         |       |     | 2.55     | 50       | 1.38     | 629      | <1       | 3.84     | 17       | 1150     | 22       | 0.22     | <5       | 8        | 1275 | <20 | 0.22 |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 VANCOUVER BC V6C 2V6

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 Finalized Date: 19-DEC-2019  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19301393**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61<br>Ti<br>ppm<br>10 | ME-ICP61<br>U<br>ppm<br>10 | ME-ICP61<br>V<br>ppm<br>1 | ME-ICP61<br>W<br>ppm<br>10 | ME-ICP61<br>Zn<br>ppm<br>2 |
|--------------------|-----------------------------------|-----------------------------|----------------------------|---------------------------|----------------------------|----------------------------|
|                    |                                   | <b>PREP DUPLICATES</b>      |                            |                           |                            |                            |
| W933183            |                                   | <10                         | <10                        | 79                        | <10                        | 65                         |
| W933183 PREP DUP   |                                   | <10                         | <10                        | 75                        | <10                        | 69                         |
|                    |                                   |                             |                            |                           |                            |                            |



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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19301393**

| <b>CERTIFICATE COMMENTS</b> |                                                                                                                                                                                                                                                                                   |          |         |          |         |        |        |        |        |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|----------|---------|--------|--------|--------|--------|
|                             | <b>LABORATORY ADDRESSES</b>                                                                                                                                                                                                                                                       |          |         |          |         |        |        |        |        |
| Applies to Method:          | <p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table border="0"> <tr> <td>Ag-OG62</td> <td>Au-AA26</td> <td>ME-ICP61</td> <td>ME-OG62</td> </tr> </table>                                                                         | Ag-OG62  | Au-AA26 | ME-ICP61 | ME-OG62 |        |        |        |        |
| Ag-OG62                     | Au-AA26                                                                                                                                                                                                                                                                           | ME-ICP61 | ME-OG62 |          |         |        |        |        |        |
| Applies to Method:          | <p>Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.</p> <table border="0"> <tr> <td>CRU-31</td> <td>CRU-QC</td> <td>LOG-21</td> <td>LOG-23</td> </tr> <tr> <td>PUL-31</td> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> </tr> </table> | CRU-31   | CRU-QC  | LOG-21   | LOG-23  | PUL-31 | PUL-QC | SPL-21 | WEI-21 |
| CRU-31                      | CRU-QC                                                                                                                                                                                                                                                                            | LOG-21   | LOG-23  |          |         |        |        |        |        |
| PUL-31                      | PUL-QC                                                                                                                                                                                                                                                                            | SPL-21   | WEI-21  |          |         |        |        |        |        |



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**CERTIFICATE TM19303431**

Project: Golden Perimeter  
 P.O. No.: GP-280A-6  
 This report is for 9 Drill Core samples submitted to our lab in Timmins, ON, Canada on 29-NOV-2019.  
 The following have access to data associated with this certificate:

|                |              |              |
|----------------|--------------|--------------|
| IAN DUNLOP     | DARWIN GREEN | NEAL MAGUIRE |
| CONOR MCKINLEY |              |              |

| SAMPLE PREPARATION |                               |
|--------------------|-------------------------------|
| ALS CODE           | DESCRIPTION                   |
| FND-02             | Find Sample for Addn Analysis |

| ANALYTICAL PROCEDURES |                                 |            |
|-----------------------|---------------------------------|------------|
| ALS CODE              | DESCRIPTION                     | INSTRUMENT |
| ME-XRF26              | Whole Rock By Fusion/XRF        | XRF        |
| OA-GRA05x             | LOI for XRF                     | WST-SEQ    |
| ME-MS42               | Up to 34 elements by ICP-MS     | ICP-MS     |
| S-IR08                | Total Sulphur (IR Spectroscopy) | LECO       |
| C-IR07                | Total Carbon (IR Spectroscopy)  | LECO       |
| ME-MS81               | Lithium Borate Fusion ICP-MS    | ICP-MS     |
| ME-4ACD81             | Base Metals by 4-acid dig.      | ICP-AES    |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Comments: ME-XRF26: SF-Total less than or equal to 100%.

**Signature:**   
 Saa Traxler, General Manager, North Vancouver





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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19303431**

| Sample Description | Method Analyte Units LOD | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26             | ME-XRF26 |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------------------|----------|
|                    |                          | Al2O3 %  | BaO %    | CaO %    | Cr2O3 %  | Fe2O3 %  | K2O %    | MgO %    | MnO %    | Na2O %   | P2O5 %   | SiO2 %   | SrO %    | TiO2 %   | OA-GRA05x LOI 1000 % | Total %  |
|                    |                          | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01                 | 0.01     |
| W933001            |                          | 13.41    | 0.25     | 6.15     | 0.02     | 5.92     | 1.74     | 4.61     | 0.10     | 5.68     | 0.29     | 51.49    | 0.06     | 0.50     | 8.75                 | 102.30   |
| W933002            |                          | 5.66     | 0.01     | 4.37     | 0.37     | 10.42    | 0.05     | 24.5     | 0.14     | 0.08     | 0.02     | 41.69    | 0.01     | 0.33     | 12.17                | 100.95   |
| W933017            |                          | 15.92    | 0.28     | 3.85     | 0.01     | 4.69     | 3.23     | 2.72     | 0.09     | 5.15     | 0.30     | 61.47    | 0.16     | 0.42     | 1.42                 | 100.05   |
| W933074            |                          | 15.88    | 0.28     | 2.86     | 0.01     | 4.28     | 3.38     | 2.62     | 0.07     | 4.92     | 0.27     | 62.71    | 0.15     | 0.38     | 2.01                 | 100.10   |
| W933095            |                          | 14.63    | 0.25     | 3.71     | 0.01     | 3.77     | 3.00     | 2.02     | 0.08     | 5.18     | 0.26     | 60.25    | 0.06     | 0.35     | 5.48                 | 101.30   |
| W933126            |                          | 14.61    | 0.22     | 4.53     | 0.02     | 5.00     | 3.78     | 3.83     | 0.10     | 4.62     | 0.32     | 61.17    | 0.12     | 0.44     | 0.92                 | 99.95    |
| W933154            |                          | 14.72    | 0.30     | 5.36     | 0.01     | 3.97     | 3.20     | 2.62     | 0.10     | 4.71     | 0.27     | 59.07    | 0.12     | 0.36     | 4.43                 | 100.25   |
| W933198            |                          | 15.19    | 0.28     | 3.49     | <0.01    | 4.23     | 3.08     | 2.53     | 0.08     | 5.04     | 0.26     | 63.33    | 0.13     | 0.37     | 1.65                 | 100.05   |
| W933222            |                          | 15.69    | 0.28     | 3.56     | <0.01    | 4.23     | 3.41     | 2.50     | 0.08     | 5.25     | 0.26     | 62.29    | 0.14     | 0.36     | 1.63                 | 100.10   |

Comments: ME-XRF26: SF-Total less than or equal to 100%.

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19303431**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81          | ME-MS81          | ME-MS81         | ME-MS81           | ME-MS81           | ME-MS81           | ME-MS81           | ME-MS81          | ME-MS81           | ME-MS81        | ME-MS81          | ME-MS81           | ME-MS81          | ME-MS81           |                  |
|--------------------|-----------------------------------|------------------|------------------|-----------------|-------------------|-------------------|-------------------|-------------------|------------------|-------------------|----------------|------------------|-------------------|------------------|-------------------|------------------|
|                    |                                   | Ba<br>ppm<br>0.5 | Ce<br>ppm<br>0.1 | Cr<br>ppm<br>10 | Cs<br>ppm<br>0.01 | Dy<br>ppm<br>0.05 | Er<br>ppm<br>0.03 | Eu<br>ppm<br>0.03 | Ga<br>ppm<br>0.1 | Gd<br>ppm<br>0.05 | Ge<br>ppm<br>5 | Hf<br>ppm<br>0.2 | Ho<br>ppm<br>0.01 | La<br>ppm<br>0.1 | Lu<br>ppm<br>0.01 | Nb<br>ppm<br>0.2 |
| W933001            |                                   | 2270             | 103.5            | 170             | 0.73              | 2.84              | 1.23              | 1.88              | 16.6             | 5.01              | <5             | 3.7              | 0.46              | 52.2             | 0.17              | 4.1              |
| W933002            |                                   | 47.4             | 1.7              | 2660            | 0.72              | 1.35              | 0.92              | 0.15              | 6.5              | 1.05              | <5             | 0.5              | 0.24              | 0.6              | 0.12              | 0.3              |
| W933017            |                                   | 2480             | 123.0            | 50              | 0.65              | 3.20              | 1.54              | 2.02              | 19.1             | 5.05              | <5             | 4.1              | 0.53              | 62.4             | 0.19              | 4.9              |
| W933074            |                                   | 2570             | 108.5            | 40              | 0.99              | 2.62              | 1.29              | 1.79              | 19.4             | 4.29              | <5             | 3.8              | 0.43              | 55.5             | 0.14              | 5.5              |
| W933095            |                                   | 2300             | 110.0            | 40              | 0.81              | 2.65              | 1.31              | 1.65              | 18.0             | 4.45              | <5             | 3.7              | 0.41              | 56.5             | 0.18              | 5.1              |
| W933126            |                                   | 1970             | 109.0            | 150             | 0.45              | 3.35              | 1.45              | 2.12              | 17.4             | 5.73              | <5             | 4.4              | 0.51              | 52.0             | 0.16              | 5.4              |
| W933154            |                                   | 2800             | 102.0            | 40              | 0.51              | 2.34              | 1.20              | 1.56              | 18.0             | 3.91              | <5             | 3.9              | 0.43              | 52.7             | 0.15              | 4.8              |
| W933198            |                                   | 2540             | 106.5            | 50              | 0.59              | 2.96              | 1.44              | 1.94              | 17.5             | 5.12              | <5             | 3.9              | 0.46              | 53.3             | 0.17              | 5.2              |
| W933222            |                                   | 2620             | 111.5            | 50              | 0.61              | 2.61              | 1.42              | 1.89              | 19.6             | 5.06              | <5             | 4.3              | 0.47              | 56.4             | 0.18              | 5.4              |

Comments: ME-XRF26: SF-Total less than or equal to 100%.

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19303431**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81          | ME-MS81           | ME-MS81          | ME-MS81           | ME-MS81        | ME-MS81          | ME-MS81          | ME-MS81           | ME-MS81           | ME-MS81           | ME-MS81          | ME-MS81       | ME-MS81       | ME-MS81         |                   |
|--------------------|-----------------------------------|------------------|-------------------|------------------|-------------------|----------------|------------------|------------------|-------------------|-------------------|-------------------|------------------|---------------|---------------|-----------------|-------------------|
|                    |                                   | Nd<br>ppm<br>0.1 | Pr<br>ppm<br>0.03 | Rb<br>ppm<br>0.2 | Sm<br>ppm<br>0.03 | Sn<br>ppm<br>1 | Sr<br>ppm<br>0.1 | Ta<br>ppm<br>0.1 | Tb<br>ppm<br>0.01 | Th<br>ppm<br>0.05 | Tm<br>ppm<br>0.01 | U<br>ppm<br>0.05 | V<br>ppm<br>5 | W<br>ppm<br>1 | Y<br>ppm<br>0.1 | Yb<br>ppm<br>0.03 |
| W933001            |                                   | 48.4             | 12.35             | 47.4             | 8.27              | 1              | 528              | 0.6              | 0.55              | 8.42              | 0.20              | 2.22             | 126           | 6             | 13.0            | 1.30              |
| W933002            |                                   | 1.7              | 0.28              | 2.9              | 0.74              | <1             | 89.8             | <0.1             | 0.17              | 0.05              | 0.12              | <0.05            | 115           | 2             | 7.3             | 0.95              |
| W933017            |                                   | 54.5             | 14.10             | 70.7             | 9.71              | 1              | 1425             | 0.7              | 0.67              | 11.45             | 0.17              | 2.48             | 95            | 1             | 13.5            | 1.16              |
| W933074            |                                   | 48.8             | 12.40             | 77.7             | 8.16              | 1              | 1315             | 1.1              | 0.56              | 10.40             | 0.17              | 1.78             | 93            | 1             | 12.7            | 1.19              |
| W933095            |                                   | 48.5             | 12.50             | 72.7             | 7.55              | 1              | 499              | 0.7              | 0.55              | 10.45             | 0.16              | 1.86             | 87            | 6             | 13.0            | 1.17              |
| W933126            |                                   | 49.9             | 12.60             | 90.0             | 8.54              | 1              | 1130             | 0.8              | 0.68              | 10.95             | 0.18              | 3.48             | 104           | 1             | 15.3            | 1.29              |
| W933154            |                                   | 43.7             | 11.60             | 68.7             | 6.89              | 1              | 1090             | 0.5              | 0.45              | 11.10             | 0.17              | 3.05             | 91            | 2             | 10.9            | 1.06              |
| W933198            |                                   | 48.8             | 12.20             | 61.9             | 8.15              | 1              | 1200             | 0.4              | 0.54              | 11.10             | 0.17              | 2.51             | 86            | 1             | 13.1            | 1.31              |
| W933222            |                                   | 50.7             | 13.10             | 69.3             | 8.85              | 1              | 1285             | 0.5              | 0.51              | 10.95             | 0.18              | 4.04             | 91            | 1             | 12.8            | 1.14              |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19303431**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 |
|--------------------|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|---------|---------|
|                    |                                   | Zr      | Ag        | Cd        | Co        | Cu        | Li        | Mo        | Ni        | Pb        | Sc        | Zn        | As      | Bi      | Hg      | In      |
|                    |                                   | ppm     | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm     | ppm     | ppm     | ppm     |
|                    |                                   | 2       | 0.5       | 0.5       | 1         | 1         | 10        | 1         | 1         | 2         | 1         | 2         | 0.1     | 0.01    | 0.005   | 0.005   |
| W933001            |                                   | 136     | <0.5      | <0.5      | 24        | 18        | 10        | <1        | 92        | 14        | 12        | 56        | 2.5     | 0.61    | <0.005  | 0.028   |
| W933002            |                                   | 16      | <0.5      | <0.5      | 93        | 56        | 20        | <1        | 1430      | <2        | 21        | 61        | 1.2     | 1.12    | <0.005  | 0.018   |
| W933017            |                                   | 150     | <0.5      | <0.5      | 14        | 19        | 10        | 1         | 23        | 23        | 9         | 72        | 0.4     | 0.07    | <0.005  | 0.010   |
| W933074            |                                   | 153     | <0.5      | <0.5      | 11        | 7         | 10        | <1        | 15        | 19        | 8         | 58        | 0.4     | 0.03    | <0.005  | 0.015   |
| W933095            |                                   | 140     | <0.5      | <0.5      | 10        | 42        | 10        | <1        | 14        | 12        | 7         | 41        | 0.4     | 0.35    | <0.005  | 0.018   |
| W933126            |                                   | 154     | <0.5      | <0.5      | 16        | 15        | <10       | 3         | 31        | 22        | 12        | 70        | 0.4     | 0.05    | <0.005  | 0.007   |
| W933154            |                                   | 148     | <0.5      | <0.5      | 9         | 78        | 10        | <1        | 14        | 47        | 8         | 61        | 0.3     | 1.16    | <0.005  | 0.021   |
| W933198            |                                   | 147     | <0.5      | <0.5      | 12        | 11        | 10        | <1        | 15        | 15        | 8         | 60        | 0.5     | 0.06    | <0.005  | 0.014   |
| W933222            |                                   | 154     | 1.1       | <0.5      | 12        | 66        | 10        | 1         | 17        | 107       | 8         | 63        | 0.3     | 2.34    | <0.005  | 0.011   |

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 North Vancouver BC V7H 0A7  
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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19303431**

| Sample Description | Method  | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 | S-IR08 | C-IR07 |
|--------------------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
|                    | Analyte | Re      | Sb      | Sc      | Se      | Te      | Tl      | S      | C      |
| Units              |         | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | %      | %      |
| LOD                |         | 0.001   | 0.05    | 0.1     | 0.2     | 0.01    | 0.02    | 0.01   | 0.01   |
| W933001            |         | <0.001  | <0.05   | 9.1     | 0.6     | 0.41    | 0.08    | 1.20   | 2.54   |
| W933002            |         | 0.001   | <0.05   | 15.8    | 0.5     | 0.02    | 0.03    | 0.30   | 2.05   |
| W933017            |         | <0.001  | <0.05   | 2.7     | <0.2    | <0.01   | 0.06    | 0.07   | 0.19   |
| W933074            |         | <0.001  | <0.05   | 3.4     | 0.2     | <0.01   | 0.09    | 0.04   | 0.27   |
| W933095            |         | <0.001  | <0.05   | 4.3     | 0.2     | 0.04    | 0.05    | 0.80   | 1.22   |
| W933126            |         | 0.002   | <0.05   | 1.8     | <0.2    | <0.01   | 0.04    | 0.05   | 0.14   |
| W933154            |         | <0.001  | <0.05   | 5.7     | <0.2    | 0.01    | 0.04    | 0.29   | 1.03   |
| W933198            |         | <0.001  | <0.05   | 2.8     | <0.2    | <0.01   | 0.04    | 0.09   | 0.27   |
| W933222            |         | <0.001  | <0.05   | 3.0     | 0.3     | <0.01   | 0.04    | 0.10   | 0.27   |

Comments: ME-XRF26: SF-Total less than or equal to 100%.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
2103 Dollarton Hwy  
North Vancouver BC V7H 0A7  
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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To: **HIGHGOLD MINING**  
**800 WEST PENDER ST, 320**  
**VANCOUVER BC V6C 2V6**

Page: Appendix 1  
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Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19303431**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

|                    |                                                                                        |          |           |         |
|--------------------|----------------------------------------------------------------------------------------|----------|-----------|---------|
| Applies to Method: | Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. |          |           |         |
|                    | C-IR07                                                                                 | FND-02   | ME-4ACD81 | ME-MS42 |
|                    | ME-MS81                                                                                | ME-XRF26 | OA-GRA05x | S-IR08  |



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**QC CERTIFICATE TM19303431**

Project: Golden Perimeter  
 P.O. No.: GP-280A-6  
 This report is for 9 Drill Core samples submitted to our lab in Timmins, ON, Canada on 29-NOV-2019.  
 The following have access to data associated with this certificate:

|                |              |              |
|----------------|--------------|--------------|
| IAN DUNLOP     | DARWIN GREEN | NEAL MAGUIRE |
| CONOR MCKINLEY |              |              |

| SAMPLE PREPARATION |                               |
|--------------------|-------------------------------|
| ALS CODE           | DESCRIPTION                   |
| FND-02             | Find Sample for Addn Analysis |

| ANALYTICAL PROCEDURES |                                 |            |
|-----------------------|---------------------------------|------------|
| ALS CODE              | DESCRIPTION                     | INSTRUMENT |
| ME-XRF26              | Whole Rock By Fusion/XRF        | XRF        |
| OA-GRA05x             | LOI for XRF                     | WST-SEQ    |
| ME-MS42               | Up to 34 elements by ICP-MS     | ICP-MS     |
| S-IR08                | Total Sulphur (IR Spectroscopy) | LECO       |
| C-IR07                | Total Carbon (IR Spectroscopy)  | LECO       |
| ME-MS81               | Lithium Borate Fusion ICP-MS    | ICP-MS     |
| ME-4ACD81             | Base Metals by 4-acid dig.      | ICP-AES    |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Comments: ME-XRF26: SF-Total less than or equal to 100%.

**Signature:**   
 Saa Traxler, General Manager, North Vancouver



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**QC CERTIFICATE OF ANALYSIS TM19303431**

| Method Analyte Units LOD   | ME-XRF26 Al2O3 % | ME-XRF26 BaO % | ME-XRF26 CaO % | ME-XRF26 Cr2O3 % | ME-XRF26 Fe2O3 % | ME-XRF26 K2O % | ME-XRF26 MgO % | ME-XRF26 MnO % | ME-XRF26 Na2O % | ME-XRF26 P2O5 % | ME-XRF26 SiO2 % | ME-XRF26 SrO % | ME-XRF26 TiO2 % | OA-GRA05x LOI 1000 % | ME-XRF26 Total % |
|----------------------------|------------------|----------------|----------------|------------------|------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------------|------------------|
| Sample Description         | 0.01             | 0.01           | 0.01           | 0.01             | 0.01             | 0.01           | 0.01           | 0.01           | 0.01            | 0.01            | 0.01            | 0.01           | 0.01            | 0.01                 | 0.01             |
| <b>STANDARDS</b>           |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| AMIS0547                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 37.88            |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 36.19            |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 40.02            |
| DS-1                       |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| GS313-8                    |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| MGeo08                     |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| MGeo08                     |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 146                  |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 218                  | 13.58            | 0.02           | 10.10          | 0.03             | 12.16            | 0.23           | 7.14           | 0.19           | 2.98            | 0.11            | 49.65           | 0.02           | 1.12            |                      | 97.88            |
| Target Range - Lower Bound | 13.04            | <0.01          | 9.73           | <0.01            | 11.63            | 0.20           | 6.81           | 0.16           | 2.75            | 0.07            | 48.02           | <0.01          | 1.04            |                      | <0.01            |
| Upper Bound                | 13.96            | 0.04           | 10.45          | 0.05             | 12.47            | 0.26           | 7.39           | 0.22           | 3.05            | 0.13            | 50.38           | 0.03           | 1.20            |                      | 0.02             |
| OREAS 220                  | 13.76            | 0.02           | 9.69           | 0.04             | 11.42            | 0.47           | 7.10           | 0.17           | 2.78            | 0.18            | 50.62           | 0.03           | 1.29            |                      | 98.17            |
| Target Range - Lower Bound | 13.12            | <0.01          | 9.28           | 0.02             | 11.00            | 0.42           | 6.92           | 0.14           | 2.60            | 0.15            | 49.10           | <0.01          | 1.19            |                      | <0.01            |
| Upper Bound                | 14.04            | 0.05           | 10.00          | 0.06             | 11.80            | 0.51           | 7.50           | 0.20           | 2.90            | 0.21            | 51.50           | 0.05           | 1.37            |                      | 0.02             |
| OREAS 501b                 |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 602                  |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS-45e                  |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 8.56             |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 8.11             |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 8.99             |
| SY-4                       |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |

Comments: ME-XRF26: SF-Total less than or equal to 100%.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19303431**

| Sample Description | Method Analyte Units LOD   | ME-MS81 Ba ppm | ME-MS81 Ce ppm | ME-MS81 Cr ppm | ME-MS81 Cs ppm | ME-MS81 Dy ppm | ME-MS81 Er ppm | ME-MS81 Eu ppm | ME-MS81 Ga ppm | ME-MS81 Gd ppm | ME-MS81 Ge ppm | ME-MS81 Hf ppm | ME-MS81 Ho ppm | ME-MS81 La ppm | ME-MS81 Lu ppm | ME-MS81 Nb ppm |  |
|--------------------|----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--|
|                    |                            | 0.5            | 0.1            | 10             | 0.01           | 0.05           | 0.03           | 0.03           | 0.1            | 0.05           | 5              | 0.2            | 0.01           | 0.1            | 0.01           | 0.2            |  |
| <b>STANDARDS</b>   |                            |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| AMIS0547           | Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
|                    | Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| DS-1               | Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
|                    | Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| GS313-8            | Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
|                    | Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| MGeo08             | Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
|                    | Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| MGeo08             | Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
|                    | Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| OREAS 146          | Target Range - Lower Bound | >10000         | 4930           | 190            | 0.57           | 244            | 90.2           | 133.5          | 31.5           | 345            | 6              | 4.3            | 38.1           | 2600           | 6.47           | 394            |  |
|                    | Upper Bound                | 11450          | 4220           | 160            | 0.47           | 202            | 78.3           | 114.5          | 26.2           | 323            | <5             | 3.6            | 33.1           | 2260           | 5.66           | 349            |  |
| OREAS 218          | Target Range - Lower Bound | >10000         | 5160           | 220            | 0.59           | 246            | 95.7           | 139.5          | 32.2           | 395            | 15             | 4.8            | 40.5           | 2760           | 6.94           | 427            |  |
|                    | Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| OREAS 220          | Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
|                    | Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| OREAS 501b         | Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
|                    | Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| OREAS 602          | Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
|                    | Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| OREAS-45e          | Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
|                    | Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| SY-4               | Target Range - Lower Bound | 338            | 126.5          | 10             | 1.58           | 19.90          | 15.55          | 2.23           | 34.5           | 14.80          | <5             | 10.5           | 4.61           | 59.6           | 2.14           | 13.8           |  |
|                    | Upper Bound                | 306            | 109.5          | <10            | 1.34           | 16.35          | 12.75          | 1.77           | 33.1           | 12.55          | <5             | 9.8            | 3.86           | 52.1           | 1.88           | 11.5           |  |
|                    | Upper Bound                | 375            | 134.5          | 30             | 1.66           | 20.1           | 15.65          | 2.23           | 40.7           | 15.45          | 12             | 12.4           | 4.74           | 63.9           | 2.32           | 14.5           |  |

Comments: ME-XRF26: SF-Total less than or equal to 100%.

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ALS Canada Ltd.  
 21 03 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19303431**

| Method Analyte Units LOD   | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |  |
|----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|
| Sample Description         | Nd ppm  | Pr ppm  | Rb ppm  | Sm ppm  | Sn ppm  | Sr ppm  | Ta ppm  | Tb ppm  | Th ppm  | Tm ppm  | U ppm   | V ppm   | W ppm   | Y ppm   | Yb ppm  |  |
|                            | 0.1     | 0.03    | 0.2     | 0.03    | 1       | 0.1     | 0.1     | 0.01    | 0.05    | 0.01    | 0.05    | 5       | 1       | 0.1     | 0.03    |  |
| <b>STANDARDS</b>           |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| AMIS0547                   |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| DS-1                       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| GS313-8                    |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| MRGeo08                    |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| MRGeo08                    |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| OREAS 146                  | 2270    | 572     | 27.4    | 474     | 44      | 3270    | 3.9     | 46.8    | 966     | 10.55   | 2.60    | 162     | 29      | 957     | 55.4    |  |
| Target Range - Lower Bound | 1965    | 493     | 23.7    | 397     | 40      | 2790    | 3.6     | 42.5    | 813     | 8.90    | 2.37    | 140     | 25      | 814     | 48.1    |  |
| Upper Bound                | 2400    | 603     | 29.5    | 485     | 52      | 3410    | 4.6     | 51.9    | 993     | 10.90   | 3.01    | 182     | 33      | 996     | 58.9    |  |
| OREAS 218                  |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| OREAS 220                  |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| OREAS 501b                 |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| OREAS 602                  |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| OREAS-45e                  |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| SY-4                       | 61.2    | 15.40   | 57.2    | 13.65   | 8       | 1280    | 0.8     | 2.75    | 1.41    | 2.37    | 0.70    | 8       | 1       | 118.5   | 16.00   |  |
| Target Range - Lower Bound | 51.2    | 13.45   | 49.3    | 11.40   | 6       | 1070    | 0.7     | 2.33    | 1.11    | 2.06    | 0.66    | <5      | <1      | 107.0   | 13.30   |  |
| Upper Bound                | 62.8    | 16.55   | 60.7    | 14.00   | 10      | 1310    | 1.1     | 2.87    | 1.47    | 2.54    | 0.94    | 18      | 3       | 131.0   | 16.30   |  |

Comments: ME-XRF26: SF-Total less than or equal to 100%.

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19303431**

| Sample Description | Method Analyte Units LOD   | ME-MS81<br>Zr<br>ppm<br>2 | ME-4ACD81<br>Ag<br>ppm<br>0.5 | ME-4ACD81<br>Cd<br>ppm<br>0.5 | ME-4ACD81<br>Co<br>ppm<br>1 | ME-4ACD81<br>Cu<br>ppm<br>1 | ME-4ACD81<br>Li<br>ppm<br>10 | ME-4ACD81<br>Mo<br>ppm<br>1 | ME-4ACD81<br>Ni<br>ppm<br>1 | ME-4ACD81<br>Pb<br>ppm<br>2 | ME-4ACD81<br>Sc<br>ppm<br>1 | ME-4ACD81<br>Zn<br>ppm<br>2 | ME-MS42<br>As<br>ppm<br>0.1 | ME-MS42<br>Bi<br>ppm<br>0.01 | ME-MS42<br>Hg<br>ppm<br>0.005 | ME-MS42<br>In<br>ppm<br>0.005 |  |
|--------------------|----------------------------|---------------------------|-------------------------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|--|
| <b>STANDARDS</b>   |                            |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| AMIS0547           | Target Range - Lower Bound |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| DS-1               | Target Range - Lower Bound |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| GS313-8            | Target Range - Lower Bound |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| MRGeo08            | Target Range - Lower Bound |                           | 4.6                           | 2.6                           | 21                          | 641                         | 30                           | 14                          | 712                         | 1110                        | 11                          | 817                         |                             |                              |                               |                               |  |
|                    | Upper Bound                |                           | 3.2                           | 1.1                           | 17                          | 586                         | <10                          | 12                          | 621                         | 969                         | 10                          | 722                         |                             |                              |                               |                               |  |
| MRGeo08            | Target Range - Lower Bound |                           | 5.6                           | 3.4                           | 23                          | 676                         | 50                           | 18                          | 761                         | 1190                        | 15                          | 886                         |                             |                              |                               |                               |  |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 33.3                        | 0.68                         | 0.064                         | 0.157                         |  |
| MRGeo08            | Target Range - Lower Bound |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 29.6                        | 0.58                         | 0.045                         | 0.137                         |  |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 36.4                        | 0.73                         | 0.077                         | 0.179                         |  |
| OREAS 146          | Target Range - Lower Bound | 248                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
|                    | Upper Bound                | 204                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| OREAS 218          | Target Range - Lower Bound | 254                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| OREAS 220          | Target Range - Lower Bound |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| OREAS 501b         | Target Range - Lower Bound |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 19.2                        | 1.52                         | 0.014                         | 0.189                         |  |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 16.9                        | 1.43                         | 0.006                         |                               |  |
| OREAS 602          | Target Range - Lower Bound |                           | >100                          | 24.9                          | 10                          | 4970                        | 20                           | 4                           | 58                          | 1010                        | 4                           | 4040                        |                             |                              |                               |                               |  |
|                    | Upper Bound                |                           | 107.5                         | 21.7                          | 7                           | 4790                        | <10                          | 2                           | 53                          | 918                         | 2                           | 3770                        |                             |                              |                               |                               |  |
| OREAS-45e          | Target Range - Lower Bound |                           | 100.0                         | 27.7                          | 12                          | 5510                        | 40                           | 7                           | 67                          | 1125                        | 6                           | 4610                        |                             |                              |                               |                               |  |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| SY-4               | Target Range - Lower Bound | 568                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
|                    | Upper Bound                | 543                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
|                    | Upper Bound                | 668                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |

Comments: ME-XRF26: SF-Total less than or equal to 100%.

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ALS Canada Ltd.  
 21 03 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

Page: 2 - E  
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 Finalized Date: 30-DEC-2019  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19303431**

| Sample Description | Method Analyte Units LOD   | ME-MS42<br>Re<br>ppm<br>0.001 | ME-MS42<br>Sb<br>ppm<br>0.05 | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02 | S-IR08<br>S<br>%<br>0.01 | C-IR07<br>C<br>%<br>0.01 |
|--------------------|----------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------|--------------------------|
| <b>STANDARDS</b>   |                            |                               |                              |                             |                             |                              |                              |                          |                          |
| AMIS0547           | Target Range - Lower Bound |                               |                              |                             |                             |                              |                              |                          |                          |
|                    | Upper Bound                |                               |                              |                             |                             |                              |                              |                          |                          |
| DS-1               | Target Range - Lower Bound |                               |                              |                             |                             |                              | 2.56                         | 3.06                     |                          |
|                    | Upper Bound                |                               |                              |                             |                             |                              | 2.51                         | 3.01                     |                          |
| GS313-8            | Target Range - Lower Bound |                               |                              |                             |                             |                              | 2.71                         | 3.25                     |                          |
|                    | Upper Bound                |                               |                              |                             |                             |                              |                              | 0.92                     |                          |
| MRGeo08            | Target Range - Lower Bound |                               |                              |                             |                             |                              |                              | 0.90                     |                          |
|                    | Upper Bound                |                               |                              |                             |                             |                              |                              | 0.98                     |                          |
| MRGeo08            | Target Range - Lower Bound | 0.009                         | 2.94                         | 6.8                         | 0.6                         | 0.01                         | 0.84                         |                          |                          |
|                    | Upper Bound                | 0.006                         | 2.80                         | 6.7                         | 0.6                         | <0.01                        | 0.64                         |                          |                          |
| OREAS 146          | Target Range - Lower Bound | 0.010                         | 3.90                         | 8.4                         | 1.5                         | 0.04                         | 0.92                         |                          |                          |
|                    | Upper Bound                |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 218          | Target Range - Lower Bound |                               |                              |                             |                             |                              |                              |                          |                          |
|                    | Upper Bound                |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 220          | Target Range - Lower Bound |                               |                              |                             |                             |                              |                              |                          |                          |
|                    | Upper Bound                |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 501b         | Target Range - Lower Bound | 0.003                         | 0.42                         | 6.9                         | 2.8                         | 0.06                         | 0.68                         |                          |                          |
|                    | Upper Bound                |                               | 0.34                         | 6.3                         | 2.2                         | 0.05                         | 0.57                         |                          |                          |
| OREAS 602          | Target Range - Lower Bound |                               | 0.64                         | 7.9                         | 3.3                         | 0.10                         | 0.81                         |                          |                          |
|                    | Upper Bound                |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS-45e          | Target Range - Lower Bound |                               |                              |                             |                             |                              |                              |                          |                          |
|                    | Upper Bound                |                               |                              |                             |                             |                              |                              |                          |                          |
| SY-4               | Target Range - Lower Bound |                               |                              |                             |                             |                              |                              |                          |                          |
|                    | Upper Bound                |                               |                              |                             |                             |                              |                              |                          |                          |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19303431**

| Method Analyte Units LOD   | ME-XRF26 Al2O3 % | ME-XRF26 BaO % | ME-XRF26 CaO % | ME-XRF26 Cr2O3 % | ME-XRF26 Fe2O3 % | ME-XRF26 K2O % | ME-XRF26 MgO % | ME-XRF26 MnO % | ME-XRF26 Na2O % | ME-XRF26 P2O5 % | ME-XRF26 SiO2 % | ME-XRF26 SrO % | ME-XRF26 TiO2 % | OA-GRA05x LOI 1000 % | ME-XRF26 Total % |
|----------------------------|------------------|----------------|----------------|------------------|------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------------|------------------|
| Sample Description         | 0.01             | 0.01           | 0.01           | 0.01             | 0.01             | 0.01           | 0.01           | 0.01           | 0.01            | 0.01            | 0.01            | 0.01           | 0.01            | 0.01                 | 0.01             |
| <b>BLANKS</b>              |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      | <0.01            | <0.01          | <0.01          | <0.01            | <0.01            | <0.01          | 0.01           | <0.01          | 0.01            | <0.01           | >100.0          | <0.01          | <0.01           |                      | 100.05           |
| Target Range - Lower Bound | <0.01            | <0.01          | <0.01          | <0.01            | <0.01            | <0.01          | <0.01          | <0.01          | <0.01           | <0.01           | <0.01           | <0.01          | <0.01           |                      | <0.01            |
| Upper Bound                | 0.02             | 0.02           | 0.02           | 0.02             | 0.02             | 0.02           | 0.02           | 0.02           | 0.02            | 0.02            | 0.02            | 0.02           | 0.02            |                      | 0.02             |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 0.02             |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | <0.01            |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 0.02             |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| <b>DUPLICATES</b>          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| ORIGINAL                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| DUP                        |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| ORIGINAL                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| DUP                        |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| W933095                    | 14.63            | 0.25           | 3.71           | 0.01             | 3.77             | 3.00           | 2.02           | 0.08           | 5.18            | 0.26            | 60.25           | 0.06           | 0.35            | 5.48                 | 101.30           |
| DUP                        | 14.76            | 0.25           | 3.75           | <0.01            | 3.84             | 3.06           | 2.03           | 0.08           | 5.23            | 0.26            | 60.72           | 0.06           | 0.36            | 5.39                 | 102.25           |
| Target Range - Lower Bound | 14.46            | 0.23           | 3.66           | <0.01            | 3.74             | 2.94           | 1.98           | 0.07           | 5.06            | 0.24            | 59.57           | 0.05           | 0.34            | 5.29                 | 100.75           |
| Upper Bound                | 14.93            | 0.27           | 3.80           | 0.02             | 3.87             | 3.12           | 2.07           | 0.09           | 5.35            | 0.28            | 61.40           | 0.07           | 0.37            | 5.58                 | 102.80           |

Comments: ME-XRF26: SF-Total less than or equal to 100%.

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19303431**

| Method Analyte Units LOD   | ME-MS81 Ba ppm | ME-MS81 Ce ppm | ME-MS81 Cr ppm | ME-MS81 Cs ppm | ME-MS81 Dy ppm | ME-MS81 Er ppm | ME-MS81 Eu ppm | ME-MS81 Ga ppm | ME-MS81 Gd ppm | ME-MS81 Ge ppm | ME-MS81 Hf ppm | ME-MS81 Ho ppm | ME-MS81 La ppm | ME-MS81 Lu ppm | ME-MS81 Nb ppm |
|----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Sample Description         | 0.5            | 0.1            | 10             | 0.01           | 0.05           | 0.03           | 0.03           | 0.1            | 0.05           | 5              | 0.2            | 0.01           | 0.1            | 0.01           | 0.2            |
| <b>BLANKS</b>              |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      | <0.5           | 0.2            | <10            | 0.01           | <0.05          | <0.03          | <0.03          | 0.1            | 0.05           | <5             | <0.2           | <0.01          | 0.2            | 0.01           | <0.2           |
| Target Range - Lower Bound | <0.5           | <0.1           | <10            | <0.01          | <0.05          | <0.03          | <0.03          | <0.1           | <0.05          |                | <0.2           | <0.01          | <0.1           | <0.01          | <0.2           |
| Upper Bound                | 1.0            | 0.2            | 20             | 0.02           | 0.10           | 0.06           | 0.06           | 0.2            | 0.10           |                | 0.4            | 0.02           | 0.2            | 0.02           | 0.4            |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| <b>DUPLICATES</b>          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| ORIGINAL                   |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| DUP                        |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound | 160.5          | 30.5           | <10            | 1.56           | 10.60          | 7.62           | 0.04           | 15.7           | 7.64           | <5             | 5.3            | 2.30           | 11.4           | 1.04           | 25.0           |
| Upper Bound                | 161.0          | 31.8           | <10            | 1.61           | 10.55          | 6.93           | 0.05           | 15.9           | 7.37           | <5             | 5.3            | 2.34           | 11.9           | 1.04           | 25.2           |
| Target Range - Lower Bound | 152.0          | 29.5           | <10            | 1.50           | 10.00          | 6.88           | <0.03          | 14.9           | 7.08           | <5             | 4.8            | 2.19           | 11.0           | 0.98           | 23.6           |
| Upper Bound                | 169.5          | 32.8           | 20             | 1.67           | 11.15          | 7.67           | 0.06           | 16.7           | 7.93           | 10             | 5.8            | 2.45           | 12.3           | 1.10           | 26.6           |
| W933095                    |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| DUP                        |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
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 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19303431**

| Method Analyte Units LOD   | ME-MS81 Nd ppm 0.1 | ME-MS81 Pr ppm 0.03 | ME-MS81 Rb ppm 0.2 | ME-MS81 Sm ppm 0.03 | ME-MS81 Sn ppm 1 | ME-MS81 Sr ppm 0.1 | ME-MS81 Ta ppm 0.1 | ME-MS81 Tb ppm 0.01 | ME-MS81 Th ppm 0.05 | ME-MS81 Tm ppm 0.01 | ME-MS81 U ppm 0.05 | ME-MS81 V ppm 5 | ME-MS81 W ppm 1 | ME-MS81 Y ppm 0.1 | ME-MS81 Yb ppm 0.03 |
|----------------------------|--------------------|---------------------|--------------------|---------------------|------------------|--------------------|--------------------|---------------------|---------------------|---------------------|--------------------|-----------------|-----------------|-------------------|---------------------|
| <b>BLANKS</b>              |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| BLANK                      |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| BLANK                      |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| BLANK                      | 0.1                | <0.03               | <0.2               | <0.03               | <1               | 0.1                | 0.1                | 0.01                | <0.05               | 0.02                | <0.05              | 8               | 1               | 0.1               | <0.03               |
| Target Range - Lower Bound | <0.1               | <0.03               | <0.2               | <0.03               | <1               | <0.1               | <0.1               | <0.01               | <0.05               | <0.01               | <0.05              | <5              | <1              | <0.1              | <0.03               |
| Upper Bound                | 0.2                | 0.06                | 0.4                | 0.06                | 2                | 0.2                | 0.2                | 0.02                | 0.10                | 0.02                | 0.10               | 10              | 2               | 0.2               | 0.06                |
| BLANK                      |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| BLANK                      |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| BLANK                      |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| <b>DUPLICATES</b>          |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| ORIGINAL                   |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| DUP                        |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| ORIGINAL                   | 19.8               | 4.43                | 3.0                | 6.24                | 4                | 26.7               | 2.1                | 1.46                | 10.70               | 1.08                | 6.82               | 5               | 3               | 59.8              | 7.04                |
| DUP                        | 21.4               | 4.52                | 3.4                | 6.51                | 3                | 27.4               | 2.4                | 1.54                | 10.70               | 1.06                | 6.99               | 7               | 4               | 60.8              | 7.33                |
| Target Range - Lower Bound | 19.5               | 4.22                | 2.8                | 6.03                | 2                | 25.6               | 2.0                | 1.42                | 10.10               | 1.01                | 6.51               | <5              | 2               | 57.2              | 6.80                |
| Upper Bound                | 21.7               | 4.73                | 3.6                | 6.72                | 5                | 28.5               | 2.5                | 1.59                | 11.30               | 1.13                | 7.30               | 10              | 5               | 63.4              | 7.57                |
| W933095                    |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| DUP                        |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |

Comments: ME-XRF26: SF-Total less than or equal to 100%.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19303431**

| Method Analyte Units LOD   | ME-MS81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 |
|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|---------|---------|
| Sample Description         | Zr ppm  | Ag ppm    | Cd ppm    | Co ppm    | Cu ppm    | Li ppm    | Mo ppm    | Ni ppm    | Pb ppm    | Sc ppm    | Zn ppm    | As ppm    | Bi ppm  | Hg ppm  | In ppm  |         |
|                            | 2       | 0.5       | 0.5       | 1         | 1         | 10        | 1         | 1         | 2         | 1         | 2         | 0.1       | 0.01    | 0.005   | 0.005   |         |
| <b>BLANKS</b>              |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| BLANK                      |         | <0.5      | <0.5      | <1        | 1         | <10       | <1        | <1        | <2        | <1        | <2        |           |         |         |         |         |
| Target Range - Lower Bound |         | <0.5      | <0.5      | <1        | <1        |           | <1        | <1        | <2        |           | <2        |           |         |         |         |         |
| Upper Bound                |         | 1.0       | 1.0       | 2         | 2         |           | 2         | 2         | 4         |           | 4         |           |         |         |         |         |
| BLANK                      |         |           |           |           |           |           |           |           |           |           |           | <0.1      | <0.01   | <0.005  | <0.005  |         |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           | <0.1      | <0.01   | <0.005  | <0.005  |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           | 0.2       | 0.02    | 0.010   | 0.010   |         |
| BLANK                      | <2      |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound | <2      |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                | 4       |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| BLANK                      |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| BLANK                      |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| BLANK                      |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| <b>DUPLICATES</b>          |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| ORIGINAL                   |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| DUP                        |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| ORIGINAL                   | 114     |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| DUP                        | 121     |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound | 110     |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                | 125     |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| W933095                    |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| DUP                        |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |

Comments: ME-XRF26: SF-Total less than or equal to 100%.

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19303431**

| Sample Description         | Method Analyte Units LOD | ME-MS42<br>Re<br>ppm<br>0.001 | ME-MS42<br>Sb<br>ppm<br>0.05 | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02 | S-IR08<br>S<br>%<br>0.01 | C-IR07<br>C<br>%<br>0.01 |
|----------------------------|--------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------|--------------------------|
| <b>BLANKS</b>              |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          | <0.001                        | <0.05                        | <0.1                        | <0.2                        | <0.01                        | <0.02                        |                          |                          |
| Target Range - Lower Bound |                          | <0.001                        | <0.05                        | <0.1                        | <0.2                        | <0.01                        | <0.02                        |                          |                          |
| Upper Bound                |                          | 0.002                         | 0.10                         | 0.2                         | 0.4                         | 0.02                         | 0.04                         |                          |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              | <0.01                    | <0.01                    |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              | <0.01                    | <0.01                    |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              | 0.02                     | 0.02                     |
| <b>DUPLICATES</b>          |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| ORIGINAL                   |                          |                               |                              |                             |                             |                              |                              | 0.59                     | 1.13                     |
| DUP                        |                          |                               |                              |                             |                             |                              |                              | 0.60                     | 1.17                     |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              | 0.57                     | 1.11                     |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              | 0.62                     | 1.19                     |
| ORIGINAL                   |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| DUP                        |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| W933095                    |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| DUP                        |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |

Comments: ME-XRF26: SF-Total less than or equal to 100%.

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19303431**

| Sample Description                                           | Method<br>Analyte<br>Units<br>LOD | ME-XRF26<br>Al2O3<br>% | ME-XRF26<br>BaO<br>% | ME-XRF26<br>CaO<br>% | ME-XRF26<br>Cr2O3<br>% | ME-XRF26<br>Fe2O3<br>% | ME-XRF26<br>K2O<br>% | ME-XRF26<br>MgO<br>% | ME-XRF26<br>MnO<br>% | ME-XRF26<br>Na2O<br>% | ME-XRF26<br>P2O5<br>% | ME-XRF26<br>SiO2<br>% | ME-XRF26<br>SrO<br>% | ME-XRF26<br>TiO2<br>% | OA-GRA05x<br>LOI 1000<br>% | ME-XRF26<br>Total<br>% |
|--------------------------------------------------------------|-----------------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------|-----------------------|-----------------------|----------------------|-----------------------|----------------------------|------------------------|
|                                                              |                                   | 0.01                   | 0.01                 | 0.01                 | 0.01                   | 0.01                   | 0.01                 | 0.01                 | 0.01                 | 0.01                  | 0.01                  | 0.01                  | 0.01                 | 0.01                  | 0.01                       | 0.01                   |
| W933602<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  | <b>DUPLICATES</b>                 |                        |                      |                      |                        |                        |                      |                      |                      |                       |                       |                       |                      |                       |                            |                        |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                                   |                        |                      |                      |                        |                        |                      |                      |                      |                       |                       |                       |                      |                       |                            |                        |
|                                                              |                                   |                        |                      |                      |                        |                        |                      |                      |                      |                       |                       |                       |                      |                       |                            |                        |

Comments: ME-XRF26: SF-Total less than or equal to 100%.

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19303431**

| Sample Description                                           | Method<br>Analyte<br>Units<br>LOD | ME-MS81<br>Ba<br>ppm<br>0.5 | ME-MS81<br>Ce<br>ppm<br>0.1 | ME-MS81<br>Cr<br>ppm<br>10 | ME-MS81<br>Cs<br>ppm<br>0.01 | ME-MS81<br>Dy<br>ppm<br>0.05 | ME-MS81<br>Er<br>ppm<br>0.03 | ME-MS81<br>Eu<br>ppm<br>0.03 | ME-MS81<br>Ga<br>ppm<br>0.1 | ME-MS81<br>Gd<br>ppm<br>0.05 | ME-MS81<br>Ge<br>ppm<br>5 | ME-MS81<br>Hf<br>ppm<br>0.2 | ME-MS81<br>Ho<br>ppm<br>0.01 | ME-MS81<br>La<br>ppm<br>0.1 | ME-MS81<br>Lu<br>ppm<br>0.01 | ME-MS81<br>Nb<br>ppm<br>0.2 |
|--------------------------------------------------------------|-----------------------------------|-----------------------------|-----------------------------|----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|------------------------------|---------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|-----------------------------|
| W933602<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  | <b>DUPLICATES</b>                 |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
|                                                              |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |

Comments: ME-XRF26: SF-Total less than or equal to 100%.

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19303431**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81<br>Nd<br>ppm<br>0.1 | ME-MS81<br>Pr<br>ppm<br>0.03 | ME-MS81<br>Rb<br>ppm<br>0.2 | ME-MS81<br>Sm<br>ppm<br>0.03 | ME-MS81<br>Sn<br>ppm<br>1 | ME-MS81<br>Sr<br>ppm<br>0.1 | ME-MS81<br>Ta<br>ppm<br>0.1 | ME-MS81<br>Tb<br>ppm<br>0.01 | ME-MS81<br>Th<br>ppm<br>0.05 | ME-MS81<br>Tm<br>ppm<br>0.01 | ME-MS81<br>U<br>ppm<br>0.05 | ME-MS81<br>V<br>ppm<br>5 | ME-MS81<br>W<br>ppm<br>1 | ME-MS81<br>Y<br>ppm<br>0.1 | ME-MS81<br>Yb<br>ppm<br>0.03 |
|--------------------|-----------------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|---------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|--------------------------|--------------------------|----------------------------|------------------------------|
|--------------------|-----------------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|---------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|--------------------------|--------------------------|----------------------------|------------------------------|

|                                                             |                   |
|-------------------------------------------------------------|-------------------|
| W933602<br>DUP<br>Target Range - Lower Bound<br>Upper Bound | <b>DUPLICATES</b> |
|-------------------------------------------------------------|-------------------|

|                                                              |  |
|--------------------------------------------------------------|--|
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |  |
|--------------------------------------------------------------|--|

|  |  |
|--|--|
|  |  |
|--|--|

Comments: ME-XRF26: SF-Total less than or equal to 100%.

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19303431**

| Sample Description         | Method Analyte Units LOD | ME-MS81   | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-MS42   | ME-MS42   | ME-MS42 | ME-MS42 |
|----------------------------|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|
|                            | Zr<br>ppm                | Ag<br>ppm | Cd<br>ppm | Co<br>ppm | Cu<br>ppm | Li<br>ppm | Mo<br>ppm | Ni<br>ppm | Pb<br>ppm | Sc<br>ppm | Zn<br>ppm | As<br>ppm | Bi<br>ppm | Hg<br>ppm | In<br>ppm |         |         |
|                            | 2                        | 0.5       | 0.5       | 1         | 1         | 10        | 1         | 1         | 2         | 1         | 2         | 0.1       | 0.01      | 0.005     | 0.005     |         |         |
| <b>DUPLICATES</b>          |                          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |         |         |
| W933602                    |                          |           |           |           |           |           |           |           |           |           |           |           |           | 0.3       | 0.45      | <0.005  | 0.019   |
| DUP                        |                          |           |           |           |           |           |           |           |           |           |           |           |           | 0.3       | 0.42      | <0.005  | 0.018   |
| Target Range - Lower Bound |                          |           |           |           |           |           |           |           |           |           |           |           |           | 0.2       | 0.40      | <0.005  | 0.013   |
| Upper Bound                |                          |           |           |           |           |           |           |           |           |           |           |           |           | 0.4       | 0.47      | 0.010   | 0.024   |
| ORIGINAL                   |                          | 1.0       | 0.6       | 6         | >10000    | 10        | 190       | 21        | 542       | 18        | 42        |           |           |           |           |         |         |
| DUP                        |                          | 0.9       | 0.5       | 6         | >10000    | 10        | 190       | 23        | 566       | 20        | 42        |           |           |           |           |         |         |
| Target Range - Lower Bound |                          | <0.5      | <0.5      | 5         | 9650      | <10       | 180       | 20        | 524       | 17        | 38        |           |           |           |           |         |         |
| Upper Bound                |                          | 1.0       | 1.0       | 7         | >10000    | 20        | 201       | 24        | 584       | 21        | 46        |           |           |           |           |         |         |

Comments: ME-XRF26: SF-Total less than or equal to 100%.

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19303431**

| Sample Description         | Method Analyte Units LOD | ME-MS42<br>Re<br>ppm<br>0.001 | ME-MS42<br>Sb<br>ppm<br>0.05 | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02 | S-IR08<br>S<br>%<br>0.01 | C-IR07<br>C<br>%<br>0.01 |
|----------------------------|--------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------|--------------------------|
|                            |                          | <b>DUPLICATES</b>             |                              |                             |                             |                              |                              |                          |                          |
| W933602                    |                          | <0.001                        | <0.05                        | 4.1                         | 0.8                         | 0.06                         | 0.03                         |                          |                          |
| DUP                        |                          | <0.001                        | <0.05                        | 4.3                         | 0.6                         | 0.04                         | 0.03                         |                          |                          |
| Target Range - Lower Bound |                          | <0.001                        | <0.05                        | 3.9                         | 0.5                         | 0.04                         | <0.02                        |                          |                          |
| Upper Bound                |                          | 0.002                         | 0.10                         | 4.5                         | 0.9                         | 0.06                         | 0.04                         |                          |                          |
| ORIGINAL                   |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| DUP                        |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |

Comments: ME-XRF26: SF-Total less than or equal to 100%.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
2103 Dollarton Hwy  
North Vancouver BC V7H 0A7  
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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To: **HIGHGOLD MINING**  
**800 WEST PENDER ST, 320**  
**VANCOUVER BC V6C 2V6**

Page: Appendix 1  
Total # Appendix Pages: 1  
Finalized Date: 30-DEC-2019  
Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19303431**

### CERTIFICATE COMMENTS

#### LABORATORY ADDRESSES

|                    |                                                                                        |          |           |         |
|--------------------|----------------------------------------------------------------------------------------|----------|-----------|---------|
| Applies to Method: | Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. |          |           |         |
|                    | C-IR07                                                                                 | FND-02   | ME-4ACD81 | ME-MS42 |
|                    | ME-MS81                                                                                | ME-XRF26 | OA-GRA05x | S-IR08  |



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**Page: 1**  
**Total # Pages: 4 (A - C)**  
**Plus Appendix Pages**  
**Finalized Date: 24-DEC-2019**  
**Account: GOLHIGH**

**CERTIFICATE TM19309084**

Project: Golden Perimeter  
 P.O. No.: GP-280A-17  
 This report is for 87 Drill Core samples submitted to our lab in Timmins, ON, Canada on 5-DEC-2019.  
 The following have access to data associated with this certificate:

|                              |              |              |
|------------------------------|--------------|--------------|
| IAN DUNLOP<br>CONOR MCKINLEY | DARWIN GREEN | NEAL MAGUIRE |
|------------------------------|--------------|--------------|

| SAMPLE PREPARATION |                                 |
|--------------------|---------------------------------|
| ALS CODE           | DESCRIPTION                     |
| WEI-21             | Received Sample Weight          |
| LOG-21             | Sample logging - ClientBarCode  |
| CRU-QC             | Crushing QC Test                |
| PUL-QC             | Pulverizing QC Test             |
| CRU-31             | Fine crushing - 70% <2mm        |
| SPL-21             | Split sample - riffle splitter  |
| PUL-31             | Pulverize up to 250g 85% <75 um |
| LOG-23             | Pulp Login - Rcvd with Barcode  |

| ANALYTICAL PROCEDURES |                               |            |
|-----------------------|-------------------------------|------------|
| ALS CODE              | DESCRIPTION                   | INSTRUMENT |
| ME-ICP61              | 33 element four acid ICP-AES  | ICP-AES    |
| Au-AA26               | Ore Grade Au 50g FA AA finish | AAS        |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

**Signature:**   
 Saa Traxler, General Manager, North Vancouver





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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Page: 2 - A  
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 Finalized Date: 24-DEC-2019  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19309084**

| Sample Description | Method       | WEI-21    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|--------------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    | Analyte      | Recvd Wt. | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga       |
|                    | Units<br>LOD | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      |
|                    |              | 0.02      | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       |
| W934547            |              | 0.41      | <0.01   | <0.5     | 4.20     | <5       | 20       | <0.5     | <2       | 2.93     | <0.5     | 103      | 1810     | 121      | 8.23     | 10       |
| W934548            |              | 0.43      | 0.01    | <0.5     | 3.37     | <5       | 70       | <0.5     | <2       | 5.00     | <0.5     | 83       | 1290     | 68       | 6.85     | 10       |
| W934549            |              | 0.73      | <0.01   | <0.5     | 3.66     | <5       | 100      | <0.5     | <2       | 4.00     | <0.5     | 85       | 1400     | 54       | 7.29     | 10       |
| W934550            |              | 0.35      | <0.01   | <0.5     | 1.66     | <5       | 20       | <0.5     | <2       | 0.04     | <0.5     | 1        | 26       | 2        | 0.79     | <10      |
| W934551            |              | 0.52      | 0.01    | <0.5     | 1.52     | <5       | 10       | <0.5     | 3        | 5.51     | <0.5     | 83       | 917      | 12       | 4.84     | <10      |
| W934552            |              | 0.36      | 0.01    | <0.5     | 1.55     | <5       | 20       | <0.5     | <2       | 7.46     | <0.5     | 73       | 865      | 23       | 4.48     | <10      |
| W934553            |              | 0.54      | 0.01    | <0.5     | 2.32     | <5       | 10       | <0.5     | <2       | 4.86     | <0.5     | 85       | 1150     | 23       | 5.75     | 10       |
| W934554            |              | 0.35      | 0.04    | <0.5     | 2.01     | <5       | 10       | <0.5     | <2       | 6.47     | 0.5      | 64       | 965      | 52       | 5.06     | 10       |
| W934555            |              | 0.62      | 0.06    | <0.5     | 2.46     | <5       | 30       | <0.5     | <2       | 2.36     | <0.5     | 67       | 1150     | 40       | 5.27     | 10       |
| W934556            |              | 0.48      | 0.04    | <0.5     | 2.64     | <5       | 40       | <0.5     | <2       | 3.30     | <0.5     | 77       | 1270     | 37       | 5.94     | 10       |
| W934557            |              | 0.50      | 0.01    | <0.5     | 2.37     | <5       | 60       | <0.5     | <2       | 3.63     | <0.5     | 65       | 1110     | 29       | 4.96     | 10       |
| W934558            |              | 0.45      | 0.01    | <0.5     | 2.28     | <5       | 140      | <0.5     | <2       | 5.43     | <0.5     | 63       | 969      | 24       | 4.89     | 10       |
| W934559            |              | 0.59      | 0.01    | <0.5     | 2.57     | <5       | 80       | <0.5     | <2       | 2.87     | <0.5     | 65       | 1060     | 18       | 5.35     | 10       |
| W934560            |              | 0.06      | 0.54    | <0.5     | 6.83     | 6        | 140      | <0.5     | <2       | 6.58     | <0.5     | 44       | 147      | 155      | 7.89     | 20       |
| W934561            |              | 0.45      | 0.01    | <0.5     | 2.11     | <5       | 50       | 0.5      | <2       | 2.83     | <0.5     | 74       | 1040     | 31       | 4.95     | 10       |
| W934562            |              | 0.44      | 0.01    | <0.5     | 1.89     | <5       | 70       | <0.5     | 2        | 3.12     | <0.5     | 64       | 930      | 33       | 4.37     | <10      |
| W934563            |              | 0.64      | 0.03    | <0.5     | 2.01     | <5       | 40       | <0.5     | 4        | 2.82     | <0.5     | 63       | 943      | 46       | 4.43     | <10      |
| W934564            |              | 0.50      | 0.09    | <0.5     | 1.64     | <5       | 30       | <0.5     | 3        | 4.65     | <0.5     | 48       | 752      | 27       | 3.89     | <10      |
| W934565            |              | 0.28      | <0.01   | <0.5     | 2.11     | <5       | 50       | <0.5     | <2       | 2.89     | <0.5     | 66       | 1010     | 21       | 4.60     | <10      |
| W934566            |              | 0.40      | 0.10    | <0.5     | 1.69     | <5       | 80       | <0.5     | <2       | 3.84     | <0.5     | 58       | 859      | 35       | 4.05     | <10      |
| W934567            |              | 0.32      | 0.22    | <0.5     | 2.25     | <5       | 20       | <0.5     | 2        | 2.97     | <0.5     | 69       | 1180     | 14       | 4.88     | 10       |
| W934568            |              | 0.15      | 0.05    | <0.5     | 1.12     | <5       | 30       | <0.5     | 3        | 2.55     | <0.5     | 28       | 590      | 15       | 2.79     | <10      |
| W934569            |              | 0.15      | 0.02    | <0.5     | 2.06     | <5       | 20       | <0.5     | 2        | 5.10     | <0.5     | 52       | 938      | 39       | 4.57     | <10      |
| W934570            |              | 0.42      | <0.01   | <0.5     | 1.27     | <5       | 30       | 0.5      | <2       | 0.08     | <0.5     | 2        | 25       | 5        | 0.85     | <10      |
| W934571            |              | 0.23      | 0.01    | <0.5     | 2.52     | <5       | 30       | 0.6      | <2       | 3.34     | 0.8      | 72       | 1390     | 48       | 5.60     | 10       |
| W934572            |              | 0.56      | 0.03    | <0.5     | 1.83     | <5       | 30       | 0.6      | 2        | 3.27     | <0.5     | 68       | 1190     | 34       | 4.99     | 10       |
| W934573            |              | 0.18      | <0.01   | <0.5     | 1.58     | <5       | 20       | <0.5     | 3        | 2.42     | <0.5     | 43       | 828      | 16       | 3.38     | 10       |
| W934574            |              | 0.58      | 0.01    | <0.5     | 1.95     | <5       | 30       | 0.6      | <2       | 3.75     | <0.5     | 72       | 1100     | 17       | 5.06     | 10       |
| W934575            |              | 0.18      | 0.19    | <0.5     | 0.49     | <5       | 10       | <0.5     | <2       | 1.18     | <0.5     | 13       | 266      | 10       | 1.51     | <10      |
| W934576            |              | 0.34      | 0.07    | <0.5     | 2.46     | <5       | 50       | 0.7      | 2        | 3.15     | <0.5     | 73       | 1380     | 35       | 5.58     | 10       |
| W934577            |              | 0.56      | 0.01    | <0.5     | 2.02     | <5       | 20       | <0.5     | 2        | 2.76     | <0.5     | 64       | 1200     | 31       | 4.81     | 10       |
| W934578            |              | 0.69      | 0.03    | <0.5     | 3.17     | <5       | 30       | <0.5     | 3        | 3.73     | <0.5     | 68       | 1540     | 32       | 6.33     | 10       |
| W934579            |              | 0.75      | 0.03    | <0.5     | 2.27     | <5       | 30       | <0.5     | 3        | 3.00     | <0.5     | 71       | 1280     | 46       | 5.47     | 10       |
| W934580            |              | 0.06      | 0.53    | <0.5     | 7.19     | <5       | 150      | <0.5     | 2        | 6.96     | <0.5     | 44       | 165      | 160      | 8.30     | 20       |
| W934581            |              | 0.54      | 0.01    | <0.5     | 1.92     | <5       | 10       | <0.5     | 4        | 2.55     | <0.5     | 74       | 1220     | 19       | 5.27     | 10       |
| W934582            |              | 0.40      | <0.01   | <0.5     | 2.00     | <5       | 110      | <0.5     | <2       | 4.59     | <0.5     | 70       | 1200     | 108      | 5.58     | 10       |
| W934583            |              | 1.31      | <0.01   | <0.5     | 2.55     | <5       | 40       | <0.5     | <2       | 3.62     | <0.5     | 74       | 1410     | 29       | 5.99     | <10      |
| W934584            |              | 0.61      | <0.01   | <0.5     | 2.36     | <5       | 50       | 0.6      | <2       | 3.76     | <0.5     | 73       | 1370     | 35       | 5.78     | 10       |
| W934585            |              | 0.31      | 0.01    | <0.5     | 2.37     | <5       | 40       | 0.8      | 5        | 4.66     | <0.5     | 67       | 1190     | 54       | 5.13     | 10       |
| W934586            |              | 0.34      | 0.88    | <0.5     | 5.99     | <5       | 70       | 0.7      | 2        | 3.82     | <0.5     | 28       | 225      | 151      | 4.76     | 10       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Plus Appendix Pages  
 Finalized Date: 24-DEC-2019  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19309084**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| W934547            |                          | 0.03     | <10      | 14.20    | 851      | <1       | 1.42     | 1265     | 90       | <2       | 0.20     | <5       | 27       | 41       | <20      | 0.03 |
| W934548            |                          | 0.03     | <10      | 12.75    | 1335     | <1       | 1.28     | 1005     | 80       | 2        | 0.09     | <5       | 21       | 58       | <20      | 0.04 |
| W934549            |                          | 0.03     | <10      | 13.20    | 1120     | <1       | 1.09     | 1045     | 110      | <2       | 0.02     | <5       | 23       | 59       | <20      | 0.03 |
| W934550            |                          | 0.05     | 20       | 0.10     | 34       | <1       | 0.02     | 10       | 70       | <2       | <0.01    | <5       | 1        | 19       | <20      | 0.03 |
| W934551            |                          | <0.01    | <10      | 16.15    | 752      | <1       | 0.01     | 1850     | 30       | <2       | 0.02     | <5       | 11       | 88       | <20      | 0.05 |
| W934552            |                          | <0.01    | <10      | 15.30    | 1315     | <1       | 0.01     | 1550     | 60       | <2       | 0.32     | <5       | 11       | 113      | <20      | 0.05 |
| W934553            |                          | <0.01    | <10      | 15.85    | 1035     | <1       | 0.01     | 1595     | 50       | <2       | 0.01     | <5       | 16       | 66       | <20      | 0.06 |
| W934554            |                          | 0.03     | <10      | 12.95    | 1115     | <1       | 0.48     | 1120     | 20       | <2       | 0.01     | <5       | 15       | 135      | <20      | 0.04 |
| W934555            |                          | 0.01     | <10      | 10.80    | 759      | <1       | 0.52     | 907      | 50       | <2       | 0.01     | <5       | 16       | 38       | <20      | 0.06 |
| W934556            |                          | 0.14     | <10      | 12.65    | 897      | <1       | 0.56     | 1120     | 40       | <2       | 0.03     | <5       | 17       | 60       | <20      | 0.07 |
| W934557            |                          | 0.30     | <10      | 10.80    | 934      | <1       | 0.52     | 980      | 50       | <2       | 0.02     | <5       | 14       | 62       | <20      | 0.06 |
| W934558            |                          | 0.37     | <10      | 11.05    | 1255     | <1       | 0.50     | 893      | 90       | <2       | 0.08     | <5       | 13       | 120      | <20      | 0.06 |
| W934559            |                          | 0.80     | <10      | 11.20    | 788      | <1       | 0.26     | 951      | 60       | <2       | 0.05     | <5       | 16       | 61       | <20      | 0.07 |
| W934560            |                          | 0.18     | <10      | 4.14     | 1335     | <1       | 2.13     | 104      | 430      | 2        | 0.15     | <5       | 41       | 118      | <20      | 0.64 |
| W934561            |                          | 0.89     | <10      | 12.00    | 856      | <1       | 0.13     | 1250     | 10       | <2       | 0.07     | <5       | 14       | 62       | <20      | 0.05 |
| W934562            |                          | 0.82     | <10      | 10.75    | 788      | <1       | 0.14     | 1045     | 10       | <2       | 0.08     | <5       | 12       | 55       | <20      | 0.05 |
| W934563            |                          | 0.83     | <10      | 11.05    | 854      | 1        | 0.11     | 1015     | 50       | <2       | 0.06     | <5       | 12       | 50       | <20      | 0.05 |
| W934564            |                          | 0.66     | <10      | 9.57     | 1085     | <1       | 0.19     | 732      | 30       | <2       | 0.04     | <5       | 10       | 90       | <20      | 0.04 |
| W934565            |                          | 0.90     | <10      | 11.00    | 880      | <1       | 0.04     | 1050     | 30       | <2       | 0.04     | <5       | 14       | 44       | <20      | 0.04 |
| W934566            |                          | 0.79     | <10      | 9.36     | 794      | <1       | 0.05     | 867      | 20       | <2       | 0.03     | <5       | 11       | 55       | <20      | 0.04 |
| W934567            |                          | 1.00     | <10      | 11.15    | 766      | <1       | 0.09     | 1035     | 10       | <2       | 0.01     | <5       | 14       | 36       | <20      | 0.05 |
| W934568            |                          | 0.40     | <10      | 5.47     | 439      | <1       | 0.30     | 438      | 10       | <2       | 0.01     | <5       | 7        | 39       | <20      | 0.02 |
| W934569            |                          | 0.80     | <10      | 9.31     | 1015     | <1       | 0.51     | 670      | 40       | <2       | 0.07     | <5       | 15       | 86       | <20      | 0.06 |
| W934570            |                          | 0.14     | 10       | 0.14     | 51       | <1       | 0.04     | 8        | 70       | 3        | <0.01    | <5       | 1        | 35       | <20      | 0.04 |
| W934571            |                          | 1.14     | <10      | 11.75    | 913      | <1       | 0.38     | 1035     | 20       | 3        | 0.03     | 5        | 16       | 54       | <20      | 0.06 |
| W934572            |                          | 0.91     | <10      | 11.50    | 917      | 2        | 0.15     | 1100     | 10       | <2       | 0.06     | <5       | 13       | 53       | <20      | 0.04 |
| W934573            |                          | 0.62     | <10      | 6.72     | 607      | 1        | 0.46     | 520      | <10      | <2       | 0.02     | <5       | 10       | 37       | <20      | 0.03 |
| W934574            |                          | 1.03     | <10      | 12.05    | 905      | <1       | 0.07     | 1070     | 10       | <2       | 0.03     | <5       | 14       | 52       | <20      | 0.04 |
| W934575            |                          | 0.22     | <10      | 2.39     | 255      | 1        | 0.09     | 184      | <10      | 4        | 0.01     | <5       | 3        | 15       | <20      | 0.01 |
| W934576            |                          | 1.09     | <10      | 12.05    | 907      | <1       | 0.38     | 1090     | 30       | <2       | 0.02     | <5       | 16       | 35       | <20      | 0.05 |
| W934577            |                          | 0.88     | <10      | 11.35    | 743      | <1       | 0.11     | 1020     | 50       | 3        | 0.01     | <5       | 13       | 33       | <20      | 0.04 |
| W934578            |                          | 1.18     | <10      | 10.35    | 1005     | <1       | 0.71     | 791      | 90       | 2        | 0.01     | <5       | 21       | 40       | <20      | 0.07 |
| W934579            |                          | 0.93     | <10      | 13.20    | 902      | <1       | 0.04     | 1175     | 50       | <2       | 0.01     | <5       | 15       | 34       | <20      | 0.04 |
| W934580            |                          | 0.20     | <10      | 4.28     | 1385     | 1        | 2.21     | 104      | 430      | <2       | 0.15     | <5       | 44       | 119      | <20      | 0.67 |
| W934581            |                          | 0.09     | <10      | 15.10    | 886      | <1       | 0.01     | 1425     | 30       | <2       | 0.01     | <5       | 14       | 41       | <20      | 0.04 |
| W934582            |                          | 0.03     | <10      | 13.60    | 1100     | <1       | 0.01     | 1260     | 30       | <2       | 0.10     | <5       | 13       | 89       | <20      | 0.03 |
| W934583            |                          | 0.17     | <10      | 13.30    | 965      | <1       | 0.07     | 1165     | 60       | <2       | 0.01     | <5       | 17       | 68       | <20      | 0.04 |
| W934584            |                          | 1.06     | <10      | 13.10    | 938      | 1        | 0.04     | 1150     | 40       | 4        | 0.06     | <5       | 17       | 71       | <20      | 0.03 |
| W934585            |                          | 1.11     | <10      | 11.65    | 925      | 2        | 0.28     | 1005     | 20       | <2       | 0.08     | <5       | 15       | 101      | <20      | 0.04 |
| W934586            |                          | 0.50     | 20       | 4.22     | 764      | 13       | 4.27     | 91       | 1480     | 4        | 1.23     | <5       | 22       | 203      | <20      | 0.18 |



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19309084**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W934547            |                                   | <10      | <10      | 162      | <10      | 96       |
| W934548            |                                   | <10      | <10      | 134      | <10      | 59       |
| W934549            |                                   | <10      | <10      | 146      | <10      | 80       |
| W934550            |                                   | <10      | <10      | 5        | <10      | 4        |
| W934551            |                                   | <10      | <10      | 64       | <10      | 42       |
| W934552            |                                   | <10      | <10      | 60       | <10      | 40       |
| W934553            |                                   | <10      | <10      | 94       | <10      | 55       |
| W934554            |                                   | <10      | <10      | 94       | <10      | 49       |
| W934555            |                                   | <10      | <10      | 110      | <10      | 50       |
| W934556            |                                   | <10      | <10      | 109      | <10      | 57       |
| W934557            |                                   | <10      | <10      | 87       | <10      | 58       |
| W934558            |                                   | <10      | <10      | 78       | <10      | 44       |
| W934559            |                                   | <10      | <10      | 95       | <10      | 48       |
| W934560            |                                   | <10      | <10      | 292      | <10      | 86       |
| W934561            |                                   | <10      | <10      | 92       | <10      | 46       |
| W934562            |                                   | <10      | <10      | 80       | <10      | 44       |
| W934563            |                                   | <10      | <10      | 74       | <10      | 49       |
| W934564            |                                   | <10      | <10      | 64       | <10      | 48       |
| W934565            |                                   | <10      | <10      | 81       | <10      | 47       |
| W934566            |                                   | <10      | <10      | 92       | <10      | 32       |
| W934567            |                                   | <10      | <10      | 98       | <10      | 50       |
| W934568            |                                   | <10      | <10      | 50       | <10      | 21       |
| W934569            |                                   | <10      | <10      | 89       | <10      | 47       |
| W934570            |                                   | <10      | <10      | 8        | <10      | 8        |
| W934571            |                                   | <10      | <10      | 132      | <10      | 79       |
| W934572            |                                   | <10      | <10      | 118      | <10      | 48       |
| W934573            |                                   | <10      | <10      | 98       | <10      | 25       |
| W934574            |                                   | <10      | <10      | 143      | <10      | 59       |
| W934575            |                                   | <10      | <10      | 39       | <10      | 14       |
| W934576            |                                   | <10      | <10      | 113      | <10      | 45       |
| W934577            |                                   | <10      | <10      | 87       | <10      | 50       |
| W934578            |                                   | <10      | <10      | 125      | <10      | 61       |
| W934579            |                                   | <10      | <10      | 88       | <10      | 49       |
| W934580            |                                   | <10      | <10      | 309      | <10      | 87       |
| W934581            |                                   | <10      | <10      | 75       | <10      | 47       |
| W934582            |                                   | <10      | <10      | 83       | <10      | 47       |
| W934583            |                                   | <10      | <10      | 99       | <10      | 53       |
| W934584            |                                   | <10      | <10      | 105      | <10      | 52       |
| W934585            |                                   | <10      | <10      | 123      | <10      | 43       |
| W934586            |                                   | <10      | <10      | 83       | <10      | 42       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Finalized Date: 24-DEC-2019  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19309084**

| Sample Description | Method  | WEI-21    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|---------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    | Analyte | Recvd Wt. | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga       |
|                    | Units   | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      |
|                    | LOD     | 0.02      | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       |
| W934587            |         | 0.32      | 0.10    | <0.5     | 5.60     | <5       | 60       | 0.7      | 5        | 4.98     | <0.5     | 31       | 358      | 159      | 5.26     | 10       |
| W934588            |         | 0.24      | 0.75    | <0.5     | 7.01     | <5       | 200      | 1.0      | 2        | 3.82     | <0.5     | 30       | 285      | 150      | 5.13     | 10       |
| W934589            |         | 0.28      | 0.15    | <0.5     | 5.31     | <5       | 80       | 0.8      | <2       | 3.64     | <0.5     | 32       | 284      | 92       | 5.23     | 10       |
| W934590            |         | 0.34      | <0.01   | <0.5     | 0.71     | <5       | 10       | <0.5     | <2       | 0.02     | <0.5     | 1        | 18       | 5        | 0.76     | <10      |
| W934591            |         | 0.45      | 1.56    | 0.5      | 6.07     | <5       | 50       | 0.7      | <2       | 4.36     | <0.5     | 26       | 202      | 134      | 4.77     | 10       |
| W934592            |         | 0.46      | 0.01    | <0.5     | 2.57     | <5       | 30       | 0.6      | 3        | 3.75     | <0.5     | 71       | 1340     | 56       | 5.86     | 10       |
| W934593            |         | 0.40      | 0.01    | <0.5     | 2.39     | <5       | 50       | 0.5      | 2        | 4.35     | <0.5     | 60       | 1200     | 34       | 5.53     | 10       |
| W934594            |         | 0.50      | 0.01    | <0.5     | 2.51     | <5       | 30       | 0.5      | 2        | 3.92     | <0.5     | 54       | 1200     | 33       | 5.11     | 10       |
| W934595            |         | 0.23      | 0.01    | <0.5     | 2.75     | <5       | 30       | 0.7      | <2       | 2.61     | <0.5     | 65       | 1450     | 72       | 5.67     | 10       |
| W934596            |         | 0.23      | 0.01    | <0.5     | 1.31     | <5       | 30       | <0.5     | 3        | 2.32     | <0.5     | 30       | 695      | 35       | 2.76     | <10      |
| W934597            |         | 0.20      | 0.29    | <0.5     | 6.23     | <5       | 40       | 0.6      | 2        | 4.74     | <0.5     | 37       | 274      | 85       | 6.81     | 10       |
| W934598            |         | 0.31      | 0.01    | <0.5     | 3.16     | <5       | 30       | 0.9      | <2       | 2.88     | <0.5     | 84       | 1590     | 71       | 6.93     | 10       |
| W934599            |         | 0.63      | <0.01   | <0.5     | 1.84     | <5       | 40       | 0.5      | 2        | 5.11     | <0.5     | 62       | 1190     | 31       | 5.09     | 10       |
| W934600            |         | 0.06      | 0.53    | <0.5     | 7.30     | <5       | 150      | <0.5     | 3        | 7.04     | <0.5     | 46       | 170      | 164      | 8.49     | 20       |
| W934601            |         | 0.57      | 0.02    | <0.5     | 3.18     | <5       | 30       | <0.5     | 4        | 4.13     | <0.5     | 71       | 1480     | 38       | 6.30     | 10       |
| W934602            |         | 0.37      | 0.03    | <0.5     | 4.20     | <5       | 40       | <0.5     | 4        | 4.56     | <0.5     | 65       | 1280     | 7        | 7.11     | 10       |
| W934603            |         | 1.10      | 0.01    | <0.5     | 3.16     | <5       | 10       | <0.5     | <2       | 3.89     | <0.5     | 77       | 1840     | 105      | 6.44     | 10       |
| W934604            |         | 0.37      | 0.01    | <0.5     | 3.30     | <5       | 210      | <0.5     | 3        | 4.71     | <0.5     | 75       | 1360     | 49       | 6.36     | 10       |
| W934605            |         | 0.23      | 0.02    | <0.5     | 2.97     | <5       | 240      | <0.5     | 4        | 4.47     | <0.5     | 60       | 1350     | 22       | 5.77     | 10       |
| W934606            |         | 0.70      | <0.01   | <0.5     | 3.72     | <5       | <10      | <0.5     | <2       | 3.58     | <0.5     | 83       | 1500     | 62       | 7.18     | 10       |
| W934607            |         | 0.56      | 0.01    | <0.5     | 2.87     | <5       | 10       | <0.5     | 2        | 4.17     | <0.5     | 85       | 1210     | 32       | 6.40     | 10       |
| W934608            |         | 0.64      | <0.01   | <0.5     | 3.47     | <5       | 120      | <0.5     | 2        | 3.42     | <0.5     | 89       | 1370     | 45       | 7.08     | 10       |
| W934609            |         | 1.44      | <0.01   | <0.5     | 2.77     | <5       | 120      | <0.5     | 7        | 4.33     | <0.5     | 79       | 1330     | 51       | 6.24     | 10       |
| W934610            |         | 0.39      | <0.01   | <0.5     | 0.74     | <5       | 20       | <0.5     | 2        | 0.05     | <0.5     | 1        | 27       | 5        | 1.25     | <10      |
| W934611            |         | 0.16      | 0.01    | <0.5     | 6.39     | <5       | 670      | <0.5     | 2        | 4.89     | <0.5     | 32       | 210      | 218      | 4.09     | 20       |
| W934612            |         | 0.74      | <0.01   | <0.5     | 3.40     | <5       | 90       | <0.5     | <2       | 3.98     | <0.5     | 61       | 820      | 45       | 5.11     | 10       |
| W934613            |         | 1.02      | <0.01   | <0.5     | 2.38     | <5       | 190      | <0.5     | <2       | 3.56     | <0.5     | 73       | 1050     | 54       | 5.50     | 10       |
| W934614            |         | 0.25      | <0.01   | <0.5     | 6.70     | <5       | 6390     | 0.6      | <2       | 2.99     | <0.5     | 48       | 463      | 26       | 5.04     | 10       |
| W934615            |         | 0.45      | <0.01   | <0.5     | 2.84     | <5       | 100      | <0.5     | 3        | 3.33     | <0.5     | 84       | 1170     | 35       | 6.33     | 10       |
| W934616            |         | 0.35      | <0.01   | <0.5     | 2.53     | <5       | 50       | <0.5     | <2       | 5.37     | <0.5     | 76       | 1150     | 49       | 5.90     | 10       |
| W934617            |         | 0.30      | 0.01    | 1.2      | 7.34     | <5       | 3310     | 2.1      | 8        | 3.04     | <0.5     | 26       | 140      | 174      | 4.52     | 20       |
| W934618            |         | 0.43      | 0.01    | <0.5     | 7.18     | <5       | 1260     | 2.5      | 2        | 2.43     | <0.5     | 25       | 140      | 554      | 4.25     | 20       |
| W934619            |         | 0.45      | 0.01    | <0.5     | 7.30     | <5       | 2000     | 2.0      | <2       | 3.00     | <0.5     | 27       | 128      | 557      | 4.14     | 20       |
| W934620            |         | 0.06      | 0.54    | <0.5     | 6.93     | 7        | 150      | <0.5     | <2       | 6.75     | <0.5     | 46       | 149      | 157      | 7.94     | 20       |
| W934621            |         | 0.33      | 0.01    | <0.5     | 2.99     | <5       | 320      | 0.6      | <2       | 4.95     | <0.5     | 84       | 1110     | 96       | 6.05     | 10       |
| W934622            |         | 0.51      | <0.01   | <0.5     | 2.42     | <5       | 10       | <0.5     | 2        | 5.65     | <0.5     | 81       | 1150     | 65       | 5.61     | 10       |
| W934623            |         | 0.46      | <0.01   | <0.5     | 3.42     | <5       | 80       | <0.5     | 3        | 3.10     | <0.5     | 67       | 1140     | 41       | 6.32     | 10       |
| W934624            |         | 1.40      | <0.01   | <0.5     | 3.74     | <5       | 190      | <0.5     | <2       | 3.84     | <0.5     | 67       | 1190     | 31       | 6.51     | 10       |
| W934625            |         | 0.49      | <0.01   | <0.5     | 2.83     | <5       | 20       | <0.5     | 3        | 3.46     | <0.5     | 87       | 1280     | 85       | 5.82     | 10       |
| W934626            |         | 0.50      | <0.01   | <0.5     | 2.82     | <5       | 20       | <0.5     | <2       | 3.70     | <0.5     | 68       | 1090     | 65       | 5.47     | 10       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| W934587            |                          | 0.41     | 20       | 5.31     | 933      | 1        | 4.08     | 118      | 1540     | 2        | 0.60     | <5       | 27       | 254      | <20      | 0.19 |
| W934588            |                          | 0.79     | 30       | 3.96     | 856      | 1        | 4.61     | 90       | 1890     | 4        | 0.35     | <5       | 19       | 374      | <20      | 0.21 |
| W934589            |                          | 0.50     | 20       | 4.77     | 1015     | 7        | 3.68     | 166      | 1180     | 5        | 0.21     | <5       | 22       | 266      | <20      | 0.16 |
| W934590            |                          | 0.03     | 20       | 0.03     | 33       | <1       | 0.02     | <1       | 40       | <2       | <0.01    | <5       | 1        | 13       | <20      | 0.03 |
| W934591            |                          | 0.25     | 30       | 4.19     | 921      | 45       | 4.65     | 81       | 1840     | 3        | 1.02     | <5       | 21       | 304      | <20      | 0.16 |
| W934592            |                          | 1.03     | <10      | 11.95    | 986      | 4        | 0.36     | 1010     | 60       | <2       | 0.13     | <5       | 17       | 76       | <20      | 0.03 |
| W934593            |                          | 1.08     | <10      | 11.40    | 966      | <1       | 0.11     | 878      | 80       | <2       | 0.18     | <5       | 17       | 83       | <20      | 0.03 |
| W934594            |                          | 0.71     | <10      | 10.05    | 1020     | 1        | 0.99     | 769      | 110      | 2        | 0.18     | <5       | 15       | 89       | <20      | 0.04 |
| W934595            |                          | 1.20     | <10      | 12.60    | 836      | <1       | 0.39     | 1005     | 50       | <2       | 0.09     | <5       | 17       | 50       | <20      | 0.05 |
| W934596            |                          | 0.41     | <10      | 6.11     | 415      | <1       | 0.46     | 463      | 10       | <2       | 0.02     | <5       | 9        | 65       | <20      | 0.02 |
| W934597            |                          | 0.31     | 30       | 6.33     | 1205     | 14       | 4.70     | 155      | 1670     | 4        | 2.00     | <5       | 29       | 228      | <20      | 0.12 |
| W934598            |                          | 1.37     | <10      | 14.35    | 1050     | 17       | 0.32     | 1325     | 60       | 5        | 0.09     | <5       | 21       | 56       | <20      | 0.05 |
| W934599            |                          | 0.83     | <10      | 12.30    | 936      | <1       | 0.08     | 974      | 30       | 2        | 0.08     | <5       | 15       | 103      | <20      | 0.03 |
| W934600            |                          | 0.20     | <10      | 4.36     | 1385     | 1        | 2.26     | 103      | 440      | <2       | 0.15     | <5       | 45       | 121      | <20      | 0.68 |
| W934601            |                          | 0.93     | <10      | 11.50    | 1010     | <1       | 0.81     | 907      | 40       | <2       | 0.06     | <5       | 21       | 67       | <20      | 0.06 |
| W934602            |                          | 0.56     | <10      | 8.42     | 1230     | <1       | 2.28     | 429      | 130      | 2        | 0.01     | <5       | 26       | 68       | <20      | 0.08 |
| W934603            |                          | 0.04     | <10      | 12.20    | 998      | <1       | 0.41     | 981      | 70       | 2        | 0.01     | <5       | 20       | 60       | <20      | 0.05 |
| W934604            |                          | 0.01     | <10      | 12.80    | 993      | <1       | 0.31     | 1015     | 90       | <2       | 0.01     | <5       | 17       | 72       | <20      | 0.05 |
| W934605            |                          | 0.01     | <10      | 9.59     | 957      | <1       | 0.80     | 646      | 150      | <2       | 0.01     | <5       | 20       | 96       | <20      | 0.04 |
| W934606            |                          | 0.01     | <10      | 13.40    | 976      | <1       | 0.67     | 1105     | 120      | <2       | 0.02     | <5       | 22       | 43       | <20      | 0.05 |
| W934607            |                          | 0.01     | <10      | 14.70    | 1135     | <1       | 0.36     | 1365     | 80       | <2       | 0.16     | <5       | 18       | 68       | <20      | 0.06 |
| W934608            |                          | 0.01     | <10      | 14.95    | 1035     | <1       | 0.27     | 1270     | 160      | <2       | 0.11     | <5       | 20       | 97       | <20      | 0.03 |
| W934609            |                          | 0.01     | <10      | 14.45    | 1025     | <1       | 0.36     | 1300     | 90       | <2       | 0.09     | <5       | 18       | 120      | <20      | 0.04 |
| W934610            |                          | 0.04     | 10       | 0.14     | 34       | <1       | 0.01     | 12       | 90       | <2       | <0.01    | <5       | 1        | 23       | <20      | 0.03 |
| W934611            |                          | 0.07     | 30       | 4.33     | 803      | <1       | 4.55     | 233      | 810      | 15       | 0.18     | <5       | 15       | 456      | <20      | 0.11 |
| W934612            |                          | 0.04     | 20       | 9.51     | 936      | <1       | 1.48     | 797      | 630      | 4        | 0.17     | <5       | 16       | 142      | <20      | 0.06 |
| W934613            |                          | 0.01     | <10      | 12.10    | 989      | <1       | 0.66     | 1125     | 80       | <2       | 0.13     | <5       | 16       | 126      | <20      | 0.05 |
| W934614            |                          | 0.18     | 40       | 7.98     | 809      | <1       | 3.16     | 531      | 1750     | 34       | 0.40     | <5       | 15       | 1845     | <20      | 0.17 |
| W934615            |                          | 0.02     | <10      | 14.00    | 935      | <1       | 0.35     | 1175     | 80       | <2       | 0.08     | <5       | 18       | 136      | <20      | 0.06 |
| W934616            |                          | 0.01     | <10      | 13.75    | 1115     | 5        | 0.09     | 1265     | 180      | 4        | 0.31     | <5       | 17       | 217      | <20      | 0.05 |
| W934617            |                          | 1.67     | 90       | 3.90     | 796      | 30       | 4.81     | 151      | 2890     | 157      | 0.52     | <5       | 13       | 685      | 20       | 0.44 |
| W934618            |                          | 1.54     | 80       | 3.71     | 677      | 1        | 4.96     | 154      | 2950     | 54       | 0.51     | <5       | 13       | 686      | 20       | 0.45 |
| W934619            |                          | 1.79     | 80       | 3.89     | 794      | 8        | 4.86     | 148      | 2940     | 35       | 0.99     | <5       | 13       | 591      | <20      | 0.43 |
| W934620            |                          | 0.19     | <10      | 4.17     | 1360     | <1       | 2.14     | 102      | 430      | 2        | 0.15     | <5       | 42       | 118      | <20      | 0.65 |
| W934621            |                          | 1.33     | <10      | 13.40    | 1230     | 4        | 0.14     | 1245     | 100      | 3        | 0.47     | <5       | 18       | 155      | <20      | 0.14 |
| W934622            |                          | 0.09     | <10      | 13.10    | 1270     | <1       | 0.25     | 1220     | 90       | 15       | 0.33     | <5       | 15       | 170      | <20      | 0.11 |
| W934623            |                          | 1.14     | <10      | 11.30    | 881      | 1        | 0.32     | 853      | 100      | 2        | 0.05     | <5       | 21       | 81       | <20      | 0.17 |
| W934624            |                          | 3.03     | <10      | 9.54     | 1020     | 2        | 0.42     | 665      | 100      | <2       | 0.12     | <5       | 23       | 108      | <20      | 0.20 |
| W934625            |                          | 0.09     | <10      | 12.30    | 991      | <1       | 0.33     | 1315     | 70       | 5        | 0.47     | <5       | 20       | 70       | <20      | 0.17 |
| W934626            |                          | 0.31     | <10      | 11.15    | 968      | 1        | 0.37     | 983      | 80       | <2       | 0.21     | <5       | 18       | 61       | <20      | 0.15 |



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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19309084**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W934587            |                                   | <10      | <10      | 91       | <10      | 48       |
| W934588            |                                   | <10      | <10      | 122      | <10      | 52       |
| W934589            |                                   | <10      | <10      | 123      | <10      | 49       |
| W934590            |                                   | <10      | <10      | 4        | <10      | 4        |
| W934591            |                                   | <10      | <10      | 60       | <10      | 40       |
| W934592            |                                   | <10      | <10      | 111      | <10      | 50       |
| W934593            |                                   | <10      | <10      | 105      | <10      | 44       |
| W934594            |                                   | <10      | <10      | 85       | <10      | 54       |
| W934595            |                                   | <10      | <10      | 112      | <10      | 57       |
| W934596            |                                   | <10      | <10      | 55       | <10      | 30       |
| W934597            |                                   | <10      | <10      | 69       | <10      | 51       |
| W934598            |                                   | <10      | <10      | 155      | <10      | 74       |
| W934599            |                                   | <10      | <10      | 100      | <10      | 45       |
| W934600            |                                   | <10      | <10      | 314      | <10      | 87       |
| W934601            |                                   | <10      | <10      | 123      | <10      | 51       |
| W934602            |                                   | <10      | <10      | 129      | <10      | 68       |
| W934603            |                                   | <10      | <10      | 118      | <10      | 59       |
| W934604            |                                   | <10      | <10      | 119      | <10      | 56       |
| W934605            |                                   | <10      | <10      | 90       | <10      | 49       |
| W934606            |                                   | <10      | <10      | 137      | <10      | 68       |
| W934607            |                                   | <10      | <10      | 109      | <10      | 60       |
| W934608            |                                   | <10      | <10      | 130      | <10      | 65       |
| W934609            |                                   | <10      | <10      | 103      | <10      | 76       |
| W934610            |                                   | <10      | <10      | 11       | <10      | 5        |
| W934611            |                                   | <10      | <10      | 102      | <10      | 58       |
| W934612            |                                   | <10      | <10      | 102      | <10      | 74       |
| W934613            |                                   | <10      | <10      | 98       | <10      | 61       |
| W934614            |                                   | <10      | <10      | 115      | <10      | 67       |
| W934615            |                                   | <10      | <10      | 110      | <10      | 60       |
| W934616            |                                   | <10      | <10      | 102      | <10      | 55       |
| W934617            |                                   | <10      | <10      | 135      | <10      | 85       |
| W934618            |                                   | <10      | <10      | 128      | <10      | 83       |
| W934619            |                                   | <10      | <10      | 122      | <10      | 72       |
| W934620            |                                   | <10      | <10      | 299      | <10      | 87       |
| W934621            |                                   | <10      | <10      | 105      | <10      | 77       |
| W934622            |                                   | <10      | <10      | 100      | <10      | 62       |
| W934623            |                                   | <10      | <10      | 126      | <10      | 59       |
| W934624            |                                   | <10      | <10      | 148      | <10      | 63       |
| W934625            |                                   | <10      | <10      | 102      | <10      | 69       |
| W934626            |                                   | <10      | <10      | 101      | <10      | 58       |



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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19309084**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | WEI-21          | Au-AA26   | ME-ICP61  | ME-ICP61 | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61 | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61 |           |
|--------------------|-----------------------------------|-----------------|-----------|-----------|----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|----------|-----------|
|                    |                                   | Recvd Wt.<br>kg | Au<br>ppm | Ag<br>ppm | Al<br>%  | As<br>ppm | Ba<br>ppm | Be<br>ppm | Bi<br>ppm | Ca<br>%  | Cd<br>ppm | Co<br>ppm | Cr<br>ppm | Cu<br>ppm | Fe<br>%  | Ga<br>ppm |
|                    |                                   | 0.02            | 0.01      | 0.5       | 0.01     | 5         | 10        | 0.5       | 2         | 0.01     | 0.5       | 1         | 1         | 1         | 0.01     | 10        |
| W934627            |                                   | 0.44            | <0.01     | <0.5      | 4.61     | <5        | 310       | <0.5      | 3         | 3.44     | <0.5      | 54        | 885       | 40        | 5.38     | 10        |
| W934628            |                                   | 0.52            | <0.01     | 0.6       | 5.38     | <5        | 540       | 0.8       | <2        | 5.66     | <0.5      | 35        | 395       | 13        | 4.63     | 10        |
| W934629            |                                   | 0.76            | <0.01     | <0.5      | 3.22     | <5        | 70        | <0.5      | <2        | 3.90     | <0.5      | 71        | 1150      | 55        | 5.93     | 10        |
| W934630            |                                   | 0.31            | <0.01     | <0.5      | 0.68     | <5        | 10        | <0.5      | <2        | 0.04     | <0.5      | 2         | 19        | <1        | 0.72     | <10       |
| W934631            |                                   | 1.30            | <0.01     | <0.5      | 3.19     | <5        | 50        | <0.5      | <2        | 4.03     | <0.5      | 72        | 1070      | 58        | 5.92     | 10        |
| W934632            |                                   | 0.88            | 0.01      | <0.5      | 6.05     | <5        | 720       | 0.7       | <2        | 4.45     | <0.5      | 37        | 352       | 28        | 4.80     | 20        |
| W934633            |                                   | 0.28            | <0.01     | <0.5      | 1.74     | <5        | 270       | 0.5       | <2        | 11.95    | <0.5      | 57        | 712       | 37        | 6.33     | <10       |



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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19309084**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
|                    |                          | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01 |
| W934627            |                          | 3.05     | 20       | 8.32     | 865      | 1        | 1.24     | 561      | 570      | 17       | 0.05     | <5       | 19       | 210      | <20      | 0.26 |
| W934628            |                          | 2.65     | 30       | 5.15     | 900      | <1       | 2.47     | 231      | 1030     | 83       | 0.39     | <5       | 17       | 668      | <20      | 0.33 |
| W934629            |                          | 1.23     | <10      | 11.45    | 993      | 1        | 0.38     | 976      | 90       | 4        | 0.11     | <5       | 20       | 74       | <20      | 0.16 |
| W934630            |                          | 0.06     | 10       | 0.08     | 36       | <1       | 0.01     | 8        | 40       | <2       | <0.01    | <5       | 1        | 19       | <20      | 0.03 |
| W934631            |                          | 1.68     | <10      | 11.80    | 1055     | <1       | 0.37     | 952      | 100      | 4        | 0.04     | <5       | 18       | 63       | <20      | 0.17 |
| W934632            |                          | 3.24     | 40       | 5.18     | 822      | <1       | 2.89     | 174      | 1320     | 14       | 0.26     | <5       | 16       | 605      | <20      | 0.37 |
| W934633            |                          | 0.57     | 70       | 10.30    | 2240     | <1       | 0.04     | 818      | 5020     | 6        | 0.16     | <5       | 11       | 1705     | <20      | 0.10 |





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|                                           |
|-------------------------------------------|
| <b>CERTIFICATE OF ANALYSIS TM19309084</b> |
|-------------------------------------------|

|         | Method<br>Analyte<br>Units<br>LOD | ME-ICP61<br>Ti<br>ppm<br>10 | ME-ICP61<br>U<br>ppm<br>10 | ME-ICP61<br>V<br>ppm<br>1 | ME-ICP61<br>W<br>ppm<br>10 | ME-ICP61<br>Zn<br>ppm<br>2 |
|---------|-----------------------------------|-----------------------------|----------------------------|---------------------------|----------------------------|----------------------------|
| W934627 |                                   | <10                         | <10                        | 128                       | <10                        | 65                         |
| W934628 |                                   | <10                         | <10                        | 134                       | <10                        | 73                         |
| W934629 |                                   | <10                         | <10                        | 110                       | <10                        | 64                         |
| W934630 |                                   | <10                         | <10                        | 6                         | <10                        | <2                         |
| W934631 |                                   | <10                         | <10                        | 111                       | <10                        | 61                         |
| W934632 |                                   | <10                         | <10                        | 142                       | <10                        | 73                         |
| W934633 |                                   | <10                         | <10                        | 138                       | <10                        | 76                         |



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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19309084**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
Au-AA26 ME-ICP61

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.  
CRU-31 CRU-QC LOG-21 LOG-23  
PUL-31 PUL-QC SPL-21 WEI-21



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**QC CERTIFICATE TM19309084**

Project: Golden Perimeter  
 P.O. No.: GP-280A-17  
 This report is for 87 Drill Core samples submitted to our lab in Timmins, ON, Canada on 5-DEC-2019.  
 The following have access to data associated with this certificate:

|                              |              |              |
|------------------------------|--------------|--------------|
| IAN DUNLOP<br>CONOR MCKINLEY | DARWIN GREEN | NEAL MAGUIRE |
|------------------------------|--------------|--------------|

| SAMPLE PREPARATION |                                 |
|--------------------|---------------------------------|
| ALS CODE           | DESCRIPTION                     |
| WEI-21             | Received Sample Weight          |
| LOG-21             | Sample logging - ClientBarCode  |
| CRU-QC             | Crushing QC Test                |
| PUL-QC             | Pulverizing QC Test             |
| CRU-31             | Fine crushing - 70% <2mm        |
| SPL-21             | Split sample - riffle splitter  |
| PUL-31             | Pulverize up to 250g 85% <75 um |
| LOG-23             | Pulp Login - Rcvd with Barcode  |

| ANALYTICAL PROCEDURES |                               |            |
|-----------------------|-------------------------------|------------|
| ALS CODE              | DESCRIPTION                   | INSTRUMENT |
| ME-ICP61              | 33 element four acid ICP-AES  | ICP-AES    |
| Au-AA26               | Ore Grade Au 50g FA AA finish | AAS        |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

**Signature:**   
 Saa Traxler, General Manager, North Vancouver



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**QC CERTIFICATE OF ANALYSIS TM19309084**

| Sample Description         | Method Analyte Units LOD | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|----------------------------|--------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                            |                          | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K %  |
|                            |                          | 0.01    | 0.5      | 0.01     | 5        | 10       |          |          |          |          |          |          |          |          |          |      |
| <b>STANDARDS</b>           |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| CDN-CM-34                  |                          |         | 3.9      | 6.68     | 107      | 520      | 1.0      | 6        | 2.13     | 1.0      | 43       | 250      | 5920     | 4.77     | 20       | 2.81 |
| CDN-CM-34                  |                          |         | 3.7      | 6.77     | 110      | 410      | 1.0      | 7        | 2.15     | 1.0      | 45       | 261      | 5850     | 4.92     | 20       | 2.86 |
| Target Range - Lower Bound |                          |         | 2.5      | 5.88     | 90       | 430      | <0.5     | <2       | 1.83     | <0.5     | 37       | 217      | 5370     | 4.26     | <10      | 2.51 |
| Upper Bound                |                          |         | 4.9      | 7.21     | 122      | 610      | 2.1      | 8        | 2.25     | 2.0      | 47       | 267      | 6190     | 5.23     | 40       | 3.09 |
| EMOG-17                    |                          |         | 69.4     | 4.78     | 613      | 180      | 1.8      | 9        | 1.98     | 21.0     | 774      | 60       | 8530     | 4.95     | 10       | 1.67 |
| EMOG-17                    |                          |         | 69.8     | 4.82     | 618      | 90       | 1.9      | 9        | 1.96     | 20.9     | 785      | 61       | 8540     | 5.02     | 10       | 1.73 |
| Target Range - Lower Bound |                          |         | 60.4     | 4.18     | 517      | 930      | 0.7      | <2       | 1.72     | 17.7     | 685      | 49       | 7740     | 4.42     | <10      | 1.49 |
| Upper Bound                |                          |         | 75.0     | 5.13     | 643      | 1290     | 2.9      | 10       | 2.12     | 22.7     | 839      | 62       | 8910     | 5.42     | 30       | 1.85 |
| G91 7-1                    |                          | 48.0    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G91 7-1                    |                          | 49.6    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 45.5    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 51.3    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| KIP-19                     |                          | 2.46    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| KIP-19                     |                          | 2.45    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 2.27    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 2.59    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| MRGeo08                    |                          |         | 4.3      | 7.68     | 36       | 1100     | 3.4      | 3        | 2.65     | 2.1      | 19       | 92       | 627      | 3.94     | 20       | 3.15 |
| Target Range - Lower Bound |                          |         | 3.2      | 6.64     | 21       | 920      | 2.2      | <2       | 2.35     | 1.1      | 17       | 81       | 586      | 3.55     | <10      | 2.79 |
| Upper Bound                |                          |         | 5.6      | 8.14     | 45       | 1270     | 4.5      | 5        | 2.90     | 3.4      | 23       | 102      | 676      | 4.37     | 40       | 3.43 |
| OREAS 602                  |                          |         | >100     | 4.46     | 716      | 70       | 0.8      | 64       | 0.64     | 25.6     | 10       | 38       | 5300     | 2.21     | 20       | 0.69 |
| Target Range - Lower Bound |                          |         | 107.5    | 3.92     | 579      | 590      | <0.5     | 49       | 0.55     | 21.7     | 7        | 28       | 4790     | 2.01     | <10      | 0.60 |
| Upper Bound                |                          |         | 100.0    | 4.82     | 719      | 830      | 1.8      | 65       | 0.69     | 27.7     | 12       | 36       | 5510     | 2.47     | 40       | 0.76 |
| OxP154                     |                          | 15.20   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 14.35   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 16.20   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| PMP-18                     |                          | 0.31    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 0.28    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.34    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |



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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19309084**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|----------------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                            |                          | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti %     | Tl ppm |
|                            |                          | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01     | 10     |
| <b>STANDARDS</b>           |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| CDN-CM-34                  |                          | 20       | 3.74     | 461      | 302      | 0.75     | 259      | 1280     | 25       | 3.15     | <5       | 16       | 232      | <20      | 0.54     | <10    |
| CDN-CM-34                  |                          | 20       | 3.81     | 461      | 303      | 0.77     | 255      | 1320     | 25       | 3.22     | <5       | 17       | 232      | <20      | 0.50     | <10    |
| Target Range - Lower Bound |                          | <10      | 3.29     | 399      | 269      | 0.66     | 220      | 1110     | 19       | 2.70     | <5       | 14       | 204      | <20      | 0.43     | <10    |
| Upper Bound                |                          | 40       | 4.05     | 499      | 331      | 0.83     | 271      | 1370     | 29       | 3.32     | 17       | 19       | 251      | 40       | 0.55     | 20     |
| EMOG-17                    |                          | 20       | 1.01     | 779      | 1125     | 1.10     | 7920     | 860      | 7470     | 3.41     | 828      | 8        | 213      | <20      | 0.34     | 10     |
| EMOG-17                    |                          | 20       | 1.00     | 777      | 1125     | 1.15     | 7950     | 870      | 7670     | 3.44     | 842      | 8        | 213      | <20      | 0.32     | <10    |
| Target Range - Lower Bound |                          | <10      | 0.86     | 670      | 996      | 0.99     | 6820     | 700      | 6570     | 2.91     | 638      | 6        | 184      | <20      | 0.28     | <10    |
| Upper Bound                |                          | 40       | 1.08     | 830      | 1220     | 1.23     | 8330     | 880      | 8030     | 3.57     | 874      | 10       | 227      | 50       | 0.36     | 20     |
| G917-1                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| G917-1                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| KIP-19                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| KIP-19                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| MRGeo08                    |                          | 30       | 1.36     | 555      | 14       | 2.00     | 699      | 1050     | 1090     | 0.30     | <5       | 12       | 305      | 20       | 0.51     | <10    |
| Target Range - Lower Bound |                          | <10      | 1.17     | 497      | 12       | 1.76     | 621      | 930      | 969      | 0.27     | <5       | 10       | 276      | <20      | 0.44     | <10    |
| Upper Bound                |                          | 60       | 1.45     | 619      | 18       | 2.18     | 761      | 1160     | 1190     | 0.35     | 15       | 15       | 340      | 60       | 0.56     | 20     |
| OREAS 602                  |                          | 10       | 0.22     | 235      | 4        | 0.46     | 63       | 580      | 1060     | 2.13     | 85       | 4        | 466      | <20      | 0.22     | <10    |
| Target Range - Lower Bound |                          | <10      | 0.17     | 198      | 2        | 0.40     | 53       | 500      | 918      | 1.90     | 61       | 2        | 417      | <20      | 0.18     | <10    |
| Upper Bound                |                          | 40       | 0.23     | 253      | 7        | 0.51     | 67       | 640      | 1125     | 2.34     | 97       | 6        | 511      | 50       | 0.24     | 20     |
| OxP154                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| PMP-18                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM19309084**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 U ppm | ME-ICP61 V ppm | ME-ICP61 W ppm | ME-ICP61 Zn ppm |
|----------------------------|--------------------------|----------------|----------------|----------------|-----------------|
|                            |                          | 10             | 1              | 10             | 2               |
| <b>STANDARDS</b>           |                          |                |                |                |                 |
| CDN-CM-34                  |                          | <10            | 169            | 30             | 205             |
| CDN-CM-34                  |                          | <10            | 173            | 30             | 204             |
| Target Range - Lower Bound |                          | <10            | 149            | <10            | 176             |
| Upper Bound                |                          | 20             | 184            | 50             | 219             |
| EMOG-17                    |                          | <10            | 78             | 10             | 7680            |
| EMOG-17                    |                          | <10            | 78             | <10            | 7890            |
| Target Range - Lower Bound |                          | <10            | 67             | <10            | 6800            |
| Upper Bound                |                          | 20             | 84             | 20             | 8320            |
| G917-1                     |                          |                |                |                |                 |
| G917-1                     |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| KIP-19                     |                          |                |                |                |                 |
| KIP-19                     |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| MGeo08                     |                          | <10            | 110            | <10            | 796             |
| Target Range - Lower Bound |                          | <10            | 97             | <10            | 722             |
| Upper Bound                |                          | 30             | 121            | 30             | 886             |
| OREAS 602                  |                          | <10            | 34             | 10             | 4150            |
| Target Range - Lower Bound |                          | <10            | 29             | <10            | 3770            |
| Upper Bound                |                          | 20             | 37             | 30             | 4610            |
| OxP154                     |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| PMP-18                     |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM19309084**

| Method Analyte Units LOD   | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |  |
|----------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| Sample Description         | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K %      |  |
|                            | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       | 0.01     |  |
| <b>BLANKS</b>              |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| BLANK                      | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| BLANK                      | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| BLANK                      | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| BLANK                      |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | 1        | <1       | <1       | <0.01    | <10      | <0.01    |  |
| BLANK                      |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | <1       | <0.01    | <10      | <0.01    |  |
| BLANK                      |         | <0.5     | <0.01    | <5       | <10      | <0.5     | 2        | <0.01    | <0.5     | <1       | <1       | <1       | <0.01    | <10      | <0.01    |  |
| BLANK                      |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | 1        | <1       | <0.01    | <10      | <0.01    |  |
| Target Range - Lower Bound |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | <1       | <0.01    | <10      | <0.01    |  |
| Upper Bound                |         | 1.0      | 0.02     | 10       | 20       | 1.0      | 4        | 0.02     | 1.0      | 2        | 2        | 2        | 0.02     | 20       | 0.02     |  |
| <b>DUPLICATES</b>          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| ORIGINAL                   |         | 10.4     | 6.94     | 71       | 400      | 2.6      | <2       | 1.79     | 7.8      | 13       | 27       | 59       | 3.11     | 20       | 2.60     |  |
| DUP                        |         | 10.0     | 6.85     | 69       | 390      | 2.6      | <2       | 1.78     | 7.7      | 12       | 29       | 58       | 3.07     | 20       | 2.60     |  |
| Target Range - Lower Bound |         | 9.2      | 6.54     | 62       | 360      | 2.0      | <2       | 1.69     | 6.9      | 11       | 26       | 55       | 2.93     | <10      | 2.46     |  |
| Upper Bound                |         | 11.2     | 7.25     | 79       | 430      | 3.2      | 4        | 1.88     | 8.6      | 14       | 30       | 62       | 3.25     | 30       | 2.74     |  |
| W934548                    |         | <0.5     | 3.37     | <5       | 70       | <0.5     | <2       | 5.00     | <0.5     | 83       | 1290     | 68       | 6.85     | 10       | 0.03     |  |
| DUP                        |         | <0.5     | 3.35     | <5       | 60       | <0.5     | <2       | 4.96     | <0.5     | 80       | 1290     | 70       | 6.81     | 10       | 0.03     |  |
| Target Range - Lower Bound |         | <0.5     | 3.18     | <5       | 50       | <0.5     | <2       | 4.72     | <0.5     | 76       | 1225     | 66       | 6.48     | <10      | 0.02     |  |
| Upper Bound                |         | 1.0      | 3.54     | 10       | 80       | 1.0      | 4        | 5.24     | 1.0      | 87       | 1355     | 72       | 7.18     | 20       | 0.04     |  |
| W934559                    | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| DUP                        | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| W934584                    |         | <0.5     | 2.36     | <5       | 50       | 0.6      | <2       | 3.76     | <0.5     | 73       | 1370     | 35       | 5.78     | 10       | 1.06     |  |
| DUP                        |         | <0.5     | 2.32     | <5       | 50       | 0.6      | <2       | 3.75     | <0.5     | 73       | 1330     | 35       | 5.66     | 10       | 1.05     |  |
| Target Range - Lower Bound |         | <0.5     | 2.21     | <5       | 40       | <0.5     | <2       | 3.56     | <0.5     | 68       | 1280     | 33       | 5.42     | <10      | 0.99     |  |
| Upper Bound                |         | 1.0      | 2.47     | 10       | 60       | 1.0      | 4        | 3.95     | 1.0      | 78       | 1420     | 37       | 6.02     | 20       | 1.12     |  |
| W934598                    | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| DUP                        | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM19309084**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 La ppm | ME-ICP61 Mg % | ME-ICP61 Mn ppm | ME-ICP61 Mo ppm | ME-ICP61 Na % | ME-ICP61 Ni ppm | ME-ICP61 P ppm | ME-ICP61 Pb ppm | ME-ICP61 S % | ME-ICP61 Sb ppm | ME-ICP61 Sc ppm | ME-ICP61 Sr ppm | ME-ICP61 Th ppm | ME-ICP61 Ti % | ME-ICP61 Tl ppm |
|----------------------------|--------------------------|-----------------|---------------|-----------------|-----------------|---------------|-----------------|----------------|-----------------|--------------|-----------------|-----------------|-----------------|-----------------|---------------|-----------------|
|                            |                          | 10              | 0.01          | 5               | 1               | 0.01          | 1               | 10             | 2               | 0.01         | 5               | 1               | 1               | 20              | 0.01          | 10              |
| <b>BLANKS</b>              |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| BLANK                      |                          | <10             | <0.01         | <5              | <1              | <0.01         | 1               | <10            | <2              | <0.01        | <5              | <1              | <1              | <20             | <0.01         | <10             |
| BLANK                      |                          | <10             | <0.01         | <5              | <1              | <0.01         | 1               | <10            | <2              | <0.01        | <5              | <1              | 1               | <20             | <0.01         | <10             |
| BLANK                      |                          | <10             | <0.01         | <5              | <1              | <0.01         | <1              | <10            | <2              | <0.01        | <5              | <1              | 1               | <20             | <0.01         | <10             |
| BLANK                      |                          | <10             | <0.01         | <5              | <1              | <0.01         | <1              | <10            | <2              | <0.01        | <5              | <1              | <1              | <20             | <0.01         | <10             |
| Target Range - Lower Bound |                          | <10             | <0.01         | <5              | <1              | <0.01         | <1              | <10            | <2              | <0.01        | <5              | <1              | <1              | <20             | <0.01         | <10             |
| Upper Bound                |                          | 20              | 0.02          | 10              | 2               | 0.02          | 2               | 20             | 4               | 0.02         | 10              | 2               | 2               | 40              | 0.02          | 20              |
| <b>DUPLICATES</b>          |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| ORIGINAL                   |                          | 20              | 0.92          | 1965            | <1              | 0.04          | 10              | 670            | 346             | 0.88         | 26              | 11              | 138             | <20             | 0.28          | <10             |
| DUP                        |                          | 20              | 0.91          | 1965            | <1              | 0.04          | 11              | 650            | 340             | 0.86         | 24              | 11              | 135             | <20             | 0.28          | <10             |
| Target Range - Lower Bound |                          | <10             | 0.86          | 1860            | <1              | 0.03          | 9               | 620            | 324             | 0.82         | 18              | 9               | 129             | <20             | 0.26          | <10             |
| Upper Bound                |                          | 30              | 0.97          | 2070            | 2               | 0.05          | 12              | 700            | 362             | 0.92         | 32              | 13              | 144             | 40              | 0.30          | 20              |
| W934548                    |                          | <10             | 12.75         | 1335            | <1              | 1.28          | 1005            | 80             | 2               | 0.09         | <5              | 21              | 58              | <20             | 0.04          | <10             |
| DUP                        |                          | <10             | 12.60         | 1335            | <1              | 1.28          | 1005            | 80             | <2              | 0.09         | <5              | 21              | 58              | <20             | 0.04          | <10             |
| Target Range - Lower Bound |                          | <10             | 12.05         | 1265            | <1              | 1.21          | 954             | 70             | <2              | 0.08         | <5              | 19              | 54              | <20             | 0.03          | <10             |
| Upper Bound                |                          | 20              | 13.30         | 1405            | 2               | 1.35          | 1055            | 90             | 4               | 0.10         | 10              | 23              | 62              | 40              | 0.05          | 20              |
| W934559                    |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| DUP                        |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Target Range - Lower Bound |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Upper Bound                |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| W934584                    |                          | <10             | 13.10         | 938             | 1               | 0.04          | 1150            | 40             | 4               | 0.06         | <5              | 17              | 71              | <20             | 0.03          | <10             |
| DUP                        |                          | <10             | 13.00         | 926             | 1               | 0.04          | 1135            | 30             | <2              | 0.06         | <5              | 16              | 69              | <20             | 0.03          | <10             |
| Target Range - Lower Bound |                          | <10             | 12.40         | 880             | <1              | 0.03          | 1085            | 20             | <2              | 0.05         | <5              | 15              | 66              | <20             | 0.02          | <10             |
| Upper Bound                |                          | 20              | 13.70         | 984             | 2               | 0.05          | 1200            | 50             | 4               | 0.07         | 10              | 18              | 75              | 40              | 0.04          | 20              |
| W934598                    |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| DUP                        |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Target Range - Lower Bound |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Upper Bound                |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM19309084**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 U ppm 10 | ME-ICP61 V ppm 1 | ME-ICP61 W ppm 10 | ME-ICP61 Zn ppm 2 |
|----------------------------|--------------------------|-------------------|------------------|-------------------|-------------------|
| <b>BLANKS</b>              |                          |                   |                  |                   |                   |
| BLANK                      |                          |                   |                  |                   |                   |
| BLANK                      |                          |                   |                  |                   |                   |
| BLANK                      |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| Target Range - Lower Bound |                          | <10               | <1               | <10               | <2                |
| Upper Bound                |                          | 20                | 2                | 20                | 4                 |
| <b>DUPLICATES</b>          |                          |                   |                  |                   |                   |
| ORIGINAL                   |                          | <10               | 99               | 10                | 1015              |
| DUP                        |                          | <10               | 98               | 10                | 1015              |
| Target Range - Lower Bound |                          | <10               | 93               | <10               | 962               |
| Upper Bound                |                          | 20                | 104              | 20                | 1070              |
| W934548                    |                          | <10               | 134              | <10               | 59                |
| DUP                        |                          | <10               | 133              | <10               | 58                |
| Target Range - Lower Bound |                          | <10               | 126              | <10               | 54                |
| Upper Bound                |                          | 20                | 141              | 20                | 63                |
| W934559                    |                          |                   |                  |                   |                   |
| DUP                        |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| W934584                    |                          | <10               | 105              | <10               | 52                |
| DUP                        |                          | <10               | 103              | <10               | 51                |
| Target Range - Lower Bound |                          | <10               | 98               | <10               | 47                |
| Upper Bound                |                          | 20                | 110              | 20                | 56                |
| W934598                    |                          |                   |                  |                   |                   |
| DUP                        |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM19309084**

| Sample Description         | Method Analyte Units LOD | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|----------------------------|--------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                            |                          | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K %  |
|                            |                          | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       | 0.01 |
| <b>DUPLICATES</b>          |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W934618                    |                          | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W934620                    |                          |         | <0.5     | 6.93     | 7        | 150      | <0.5     | <2       | 6.75     | <0.5     | 46       | 149      | 157      | 7.94     | 20       | 0.19 |
| DUP                        |                          |         | <0.5     | 6.59     | 6        | 140      | <0.5     | 3        | 6.53     | <0.5     | 44       | 149      | 148      | 7.55     | 20       | 0.18 |
| Target Range - Lower Bound |                          |         | <0.5     | 6.41     | <5       | 120      | <0.5     | <2       | 6.30     | <0.5     | 42       | 141      | 146      | 7.35     | <10      | 0.17 |
| Upper Bound                |                          |         | 1.0      | 7.11     | 10       | 170      | 1.0      | 4        | 6.98     | 1.0      | 48       | 157      | 159      | 8.14     | 30       | 0.20 |
| W933752                    |                          | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W933721                    |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.03    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W933741                    |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| ORIGINAL                   |                          | 0.06    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | 0.09    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 0.06    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.09    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |

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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19309084**

| Sample Description                                           | Method Analyte Units LOD | ME-ICP61 La ppm | ME-ICP61 Mg %                | ME-ICP61 Mn ppm              | ME-ICP61 Mo ppm | ME-ICP61 Na %                | ME-ICP61 Ni ppm        | ME-ICP61 P ppm           | ME-ICP61 Pb ppm | ME-ICP61 S %                 | ME-ICP61 Sb ppm      | ME-ICP61 Sc ppm       | ME-ICP61 Sr ppm          | ME-ICP61 Th ppm  | ME-ICP61 Ti %                | ME-ICP61 Tl ppm  |
|--------------------------------------------------------------|--------------------------|-----------------|------------------------------|------------------------------|-----------------|------------------------------|------------------------|--------------------------|-----------------|------------------------------|----------------------|-----------------------|--------------------------|------------------|------------------------------|------------------|
|                                                              |                          | 10              | 0.01                         | 5                            | 1               | 0.01                         | 1                      | 10                       | 2               | 0.01                         | 5                    | 1                     | 1                        | 20               | 0.01                         | 10               |
| <b>DUPLICATES</b>                                            |                          |                 |                              |                              |                 |                              |                        |                          |                 |                              |                      |                       |                          |                  |                              |                  |
| W934618<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                 |                              |                              |                 |                              |                        |                          |                 |                              |                      |                       |                          |                  |                              |                  |
| W934620<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | <10<br>20       | 4.17<br>4.00<br>3.87<br>4.30 | 1360<br>1320<br>1270<br>1410 | <1<br>2         | 2.14<br>2.04<br>1.98<br>2.20 | 102<br>95<br>93<br>104 | 430<br>410<br>390<br>450 | 2<br><2<br>4    | 0.15<br>0.15<br>0.13<br>0.17 | <5<br><5<br>38<br>10 | 42<br>41<br>109<br>45 | 118<br>113<br>109<br>122 | <20<br><20<br>40 | 0.65<br>0.62<br>0.59<br>0.68 | <10<br><10<br>20 |
| W933752<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                 |                              |                              |                 |                              |                        |                          |                 |                              |                      |                       |                          |                  |                              |                  |
| W933721<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                 |                              |                              |                 |                              |                        |                          |                 |                              |                      |                       |                          |                  |                              |                  |
| W933741<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                 |                              |                              |                 |                              |                        |                          |                 |                              |                      |                       |                          |                  |                              |                  |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                 |                              |                              |                 |                              |                        |                          |                 |                              |                      |                       |                          |                  |                              |                  |
|                                                              |                          |                 |                              |                              |                 |                              |                        |                          |                 |                              |                      |                       |                          |                  |                              |                  |

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|                                              |
|----------------------------------------------|
| <b>QC CERTIFICATE OF ANALYSIS TM19309084</b> |
|----------------------------------------------|

| Sample Description                                           | Method Analyte Units LOD | ME-ICP61 U ppm          | ME-ICP61 V ppm           | ME-ICP61 W ppm          | ME-ICP61 Zn ppm      |
|--------------------------------------------------------------|--------------------------|-------------------------|--------------------------|-------------------------|----------------------|
|                                                              |                          | 10                      | 1                        | 10                      | 2                    |
| <b>DUPLICATES</b>                                            |                          |                         |                          |                         |                      |
| W934618<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                         |                          |                         |                      |
| W934620<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | <10<br><10<br><10<br>20 | 299<br>288<br>278<br>309 | <10<br><10<br><10<br>20 | 87<br>84<br>79<br>92 |
| W933752<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                         |                          |                         |                      |
| W933721<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                         |                          |                         |                      |
| W933741<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                         |                          |                         |                      |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                          |                         |                      |
|                                                              |                          |                         |                          |                         |                      |



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**QC CERTIFICATE OF ANALYSIS TM19309084**

### CERTIFICATE COMMENTS

#### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
Au-AA26 ME-ICP61

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.  
CRU-31 CRU-QC LOG-21 LOG-23  
PUL-31 PUL-QC SPL-21 WEI-21



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 North Vancouver BC V7H 0A7  
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**CERTIFICATE TM19313315**

Project: Golden Perimeter

This report is for 7 Drill Core samples submitted to our lab in Timmins, ON, Canada on 10-DEC-2019.

The following have access to data associated with this certificate:

|                |              |              |
|----------------|--------------|--------------|
| IAN DUNLOP     | DARWIN GREEN | NEAL MAGUIRE |
| CONOR MCKINLEY |              |              |

| SAMPLE PREPARATION |                               |
|--------------------|-------------------------------|
| ALS CODE           | DESCRIPTION                   |
| FND-02             | Find Sample for Addn Analysis |

| ANALYTICAL PROCEDURES |                                 |            |
|-----------------------|---------------------------------|------------|
| ALS CODE              | DESCRIPTION                     | INSTRUMENT |
| ME-XRF26              | Whole Rock By Fusion/XRF        | XRF        |
| OA-GRA05x             | LOI for XRF                     | WST-SEQ    |
| ME-MS42               | Up to 34 elements by ICP-MS     | ICP-MS     |
| S-IR08                | Total Sulphur (IR Spectroscopy) | LECO       |
| C-IR07                | Total Carbon (IR Spectroscopy)  | LECO       |
| ME-MS81               | Lithium Borate Fusion ICP-MS    | ICP-MS     |
| ME-4ACD81             | Base Metals by 4-acid dig.      | ICP-AES    |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:   
 Saa Traxler, General Manager, North Vancouver



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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19313315**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-XRF26   | ME-XRF26 | ME-XRF26 | ME-XRF26   | ME-XRF26   | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26  | ME-XRF26  | ME-XRF26  | ME-XRF26 | ME-XRF26  | ME-XRF26                   | ME-XRF26   |
|--------------------|-----------------------------------|------------|----------|----------|------------|------------|----------|----------|----------|-----------|-----------|-----------|----------|-----------|----------------------------|------------|
|                    |                                   | Al2O3<br>% | BaO<br>% | CaO<br>% | Cr2O3<br>% | Fe2O3<br>% | K2O<br>% | MgO<br>% | MnO<br>% | Na2O<br>% | P2O5<br>% | SiO2<br>% | SrO<br>% | TiO2<br>% | OA-GRA05x<br>LOI 1000<br>% | Total<br>% |
| W934549            |                                   | 6.79       | 0.02     | 5.74     | 0.32       | 10.73      | 0.03     | 21.5     | 0.15     | 1.47      | 0.03      | 39.24     | 0.01     | 0.36      | 13.01                      | 99.66      |
| W934551            |                                   | 2.77       | 0.02     | 7.88     | 0.21       | 7.11       | <0.01    | 26.2     | 0.10     | 0.06      | 0.01      | 39.14     | 0.01     | 0.16      | 16.12                      | 100.10     |
| W934576            |                                   | 4.58       | 0.02     | 4.52     | 0.26       | 8.14       | 1.27     | 19.55    | 0.12     | 0.54      | 0.01      | 32.32     | 0.01     | 0.24      | 28.10                      | 99.90      |
| W934588            |                                   | 13.03      | 0.03     | 5.44     | 0.05       | 7.41       | 0.92     | 6.60     | 0.12     | 6.09      | 0.42      | 45.17     | 0.04     | 0.58      | 13.33                      | 100.10     |
| W934606            |                                   | 7.00       | 0.01     | 5.23     | 0.31       | 10.56      | 0.01     | 21.8     | 0.13     | 0.94      | 0.03      | 40.69     | 0.01     | 0.38      | 12.50                      | 99.86      |
| W934619            |                                   | 14.91      | 0.23     | 4.42     | 0.03       | 6.28       | 2.27     | 6.88     | 0.11     | 6.69      | 0.66      | 51.95     | 0.07     | 0.76      | 4.18                       | 101.95     |
| W934628            |                                   | 11.97      | 0.08     | 9.57     | 0.10       | 8.03       | 3.71     | 9.88     | 0.14     | 3.88      | 0.27      | 43.90     | 0.09     | 0.66      | 6.64                       | 100.10     |

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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19313315**

| Sample Description | Method  | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |
|--------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                    | Analyte | Ba      | Ce      | Cr      | Cs      | Dy      | Er      | Eu      | Ga      | Gd      | Ge      | Hf      | Ho      | La      | Lu      | Nb      |
| Units              |         | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| LOD                |         | 0.5     | 0.1     | 10      | 0.01    | 0.05    | 0.03    | 0.03    | 0.1     | 0.05    | 5       | 0.2     | 0.01    | 0.1     | 0.01    | 0.2     |
| W934549            |         | 89.9    | 3.7     | 2320    | 0.41    | 1.49    | 0.98    | 0.28    | 9.1     | 1.14    | <5      | 0.5     | 0.29    | 1.4     | 0.11    | 1.6     |
| W934551            |         | 17.3    | 1.2     | 1500    | 0.27    | 0.54    | 0.35    | 0.14    | 3.8     | 0.44    | <5      | 0.2     | 0.11    | 0.7     | 0.03    | 0.5     |
| W934576            |         | 52.5    | 1.2     | 1910    | 0.24    | 0.97    | 0.60    | 0.14    | 6.4     | 0.68    | <5      | 0.3     | 0.20    | 0.4     | 0.07    | 0.4     |
| W934588            |         | 197.5   | 81.9    | 390     | 0.12    | 4.00    | 2.12    | 2.07    | 13.7    | 6.35    | <5      | 3.4     | 0.72    | 37.9    | 0.27    | 4.1     |
| W934606            |         | 3.5     | 3.1     | 2400    | 0.08    | 1.62    | 1.08    | 0.23    | 9.6     | 1.21    | <5      | 0.6     | 0.37    | 1.2     | 0.13    | 0.7     |
| W934619            |         | 1955    | 216     | 180     | 4.39    | 5.42    | 2.12    | 3.88    | 20.2    | 10.50   | <5      | 5.1     | 0.83    | 105.5   | 0.17    | 8.5     |
| W934628            |         | 615     | 89.4    | 780     | 8.42    | 2.98    | 1.48    | 1.51    | 17.3    | 4.94    | <5      | 3.0     | 0.53    | 42.9    | 0.18    | 3.8     |





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 North Vancouver BC V7H 0A7  
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**CERTIFICATE OF ANALYSIS TM19313315**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81          | ME-MS81           | ME-MS81          | ME-MS81           | ME-MS81        | ME-MS81          | ME-MS81          | ME-MS81           | ME-MS81           | ME-MS81           | ME-MS81          | ME-MS81       | ME-MS81       | ME-MS81         |                   |
|--------------------|-----------------------------------|------------------|-------------------|------------------|-------------------|----------------|------------------|------------------|-------------------|-------------------|-------------------|------------------|---------------|---------------|-----------------|-------------------|
|                    |                                   | Nd<br>ppm<br>0.1 | Pr<br>ppm<br>0.03 | Rb<br>ppm<br>0.2 | Sm<br>ppm<br>0.03 | Sn<br>ppm<br>1 | Sr<br>ppm<br>0.1 | Ta<br>ppm<br>0.1 | Tb<br>ppm<br>0.01 | Th<br>ppm<br>0.05 | Tm<br>ppm<br>0.01 | U<br>ppm<br>0.05 | V<br>ppm<br>5 | W<br>ppm<br>1 | Y<br>ppm<br>0.1 | Yb<br>ppm<br>0.03 |
| W934549            |                                   | 2.4              | 0.50              | 1.5              | 0.67              | <1             | 59.4             | 0.1              | 0.17              | 0.16              | 0.13              | <0.05            | 142           | 1             | 8.6             | 0.95              |
| W934551            |                                   | 0.8              | 0.17              | 0.7              | 0.29              | <1             | 85.2             | 0.1              | 0.06              | <0.05             | 0.03              | <0.05            | 65            | 1             | 3.0             | 0.33              |
| W934576            |                                   | 1.2              | 0.21              | 21.2             | 0.36              | <1             | 36.1             | 0.4              | 0.12              | 0.05              | 0.06              | <0.05            | 112           | 2             | 5.6             | 0.51              |
| W934588            |                                   | 43.3             | 10.60             | 15.2             | 7.99              | 1              | 388              | 0.6              | 0.76              | 5.20              | 0.25              | 1.55             | 132           | 7             | 20.6            | 2.02              |
| W934606            |                                   | 2.3              | 0.46              | 0.3              | 0.74              | <1             | 49.9             | 0.7              | 0.24              | 0.21              | 0.14              | 0.05             | 143           | 1             | 9.3             | 1.02              |
| W934619            |                                   | 98.8             | 25.6              | 71.6             | 16.75             | 2              | 573              | 1.0              | 1.06              | 15.25             | 0.23              | 7.15             | 130           | 1             | 22.5            | 1.45              |
| W934628            |                                   | 42.1             | 10.90             | 128.0            | 7.19              | 1              | 770              | 0.6              | 0.56              | 6.71              | 0.19              | 1.24             | 161           | 1             | 14.4            | 1.19              |



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 North Vancouver BC V7H 0A7  
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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19313315**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81   | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-MS42   | ME-MS42   | ME-MS42   | ME-MS42   |
|--------------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                    |                                   | Zr<br>ppm | Ag<br>ppm | Cd<br>ppm | Co<br>ppm | Cu<br>ppm | Li<br>ppm | Mo<br>ppm | Ni<br>ppm | Pb<br>ppm | Sc<br>ppm | Zn<br>ppm | As<br>ppm | Bi<br>ppm | Hg<br>ppm | In<br>ppm |
|                    |                                   | 2         | 0.5       | 0.5       | 1         | 1         | 10        | 1         | 1         | 2         | 1         | 2         | 0.1       | 0.01      | 0.005     | 0.005     |
| W934549            |                                   | 18        | <0.5      | <0.5      | 83        | 47        | 10        | <1        | 965       | <2        | 22        | 68        | 0.3       | <0.01     | <0.005    | 0.015     |
| W934551            |                                   | 10        | <0.5      | <0.5      | 80        | 9         | 10        | <1        | 1670      | <2        | 10        | 38        | 0.4       | <0.01     | <0.005    | 0.011     |
| W934576            |                                   | 13        | <0.5      | 0.6       | 74        | 30        | <10       | <1        | 1065      | <2        | 16        | 42        | 0.1       | 0.06      | <0.005    | 0.018     |
| W934588            |                                   | 142       | <0.5      | <0.5      | 31        | 142       | <10       | 1         | 88        | <2        | 19        | 50        | 0.5       | 0.09      | <0.005    | 0.032     |
| W934606            |                                   | 27        | <0.5      | <0.5      | 88        | 60        | 10        | <1        | 1080      | <2        | 21        | 67        | 0.1       | 0.01      | <0.005    | 0.026     |
| W934619            |                                   | 207       | <0.5      | <0.5      | 28        | 560       | 10        | 9         | 144       | 37        | 14        | 70        | 0.9       | 0.80      | <0.005    | 0.039     |
| W934628            |                                   | 113       | <0.5      | 0.7       | 43        | 14        | 20        | <1        | 259       | 88        | 20        | 81        | 1.0       | 2.17      | <0.005    | 0.018     |



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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19313315**

| Sample Description | Method  | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 | S-IR08 | C-IR07 |
|--------------------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
|                    | Analyte | Re      | Sb      | Sc      | Se      | Te      | Tl      | S      | C      |
| Units              |         | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | %      | %      |
| LOD                |         | 0.001   | 0.05    | 0.1     | 0.2     | 0.01    | 0.02    | 0.01   | 0.01   |
| W934549            |         | <0.001  | <0.05   | 2.5     | 0.2     | 0.01    | <0.02   | 0.02   | 2.39   |
| W934551            |         | 0.001   | <0.05   | 10.5    | <0.2    | 0.03    | <0.02   | 0.02   | 3.31   |
| W934576            |         | <0.001  | <0.05   | 14.7    | <0.2    | 0.11    | <0.02   | 0.01   | 7.70   |
| W934588            |         | <0.001  | <0.05   | 15.7    | 0.2     | 0.06    | <0.02   | 0.31   | 3.88   |
| W934606            |         | <0.001  | <0.05   | 21.9    | 0.2     | 0.03    | <0.02   | 0.02   | 2.26   |
| W934619            |         | 0.003   | 0.07    | 4.5     | 0.3     | 0.02    | 0.62    | 0.93   | 0.97   |
| W934628            |         | <0.001  | 0.11    | 6.1     | 0.8     | 0.08    | 0.97    | 0.40   | 1.63   |



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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19313315**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

|                    |                                                                                        |          |           |         |
|--------------------|----------------------------------------------------------------------------------------|----------|-----------|---------|
| Applies to Method: | Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. |          |           |         |
|                    | C-IR07                                                                                 | FND-02   | ME-4ACD81 | ME-MS42 |
|                    | ME-MS81                                                                                | ME-XRF26 | OA-GRA05x | S-IR08  |



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**QC CERTIFICATE TM19313315**

Project: Golden Perimeter

This report is for 7 Drill Core samples submitted to our lab in Timmins, ON, Canada on 10-DEC-2019.

The following have access to data associated with this certificate:

|                              |              |              |
|------------------------------|--------------|--------------|
| IAN DUNLOP<br>CONOR MCKINLEY | DARWIN GREEN | NEAL MAGUIRE |
|------------------------------|--------------|--------------|

| SAMPLE PREPARATION |                               |
|--------------------|-------------------------------|
| ALS CODE           | DESCRIPTION                   |
| FND-02             | Find Sample for Addn Analysis |

| ANALYTICAL PROCEDURES |                                 |            |
|-----------------------|---------------------------------|------------|
| ALS CODE              | DESCRIPTION                     | INSTRUMENT |
| ME-XRF26              | Whole Rock By Fusion/XRF        | XRF        |
| OA-GRA05x             | LOI for XRF                     | WST-SEQ    |
| ME-MS42               | Up to 34 elements by ICP-MS     | ICP-MS     |
| S-IR08                | Total Sulphur (IR Spectroscopy) | LECO       |
| C-IR07                | Total Carbon (IR Spectroscopy)  | LECO       |
| ME-MS81               | Lithium Borate Fusion ICP-MS    | ICP-MS     |
| ME-4ACD81             | Base Metals by 4-acid dig.      | ICP-AES    |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

**Signature:**   
 Saa Traxler, General Manager, North Vancouver



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**QC CERTIFICATE OF ANALYSIS TM19313315**

| Sample Description         | Method Analyte Units LOD | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26   | ME-XRF26 | ME-XRF26 | ME-XRF26 |       |
|----------------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------------|----------|----------|----------|-------|
|                            |                          | Al2O3 %  | BaO %    | CaO %    | Cr2O3 %  | Fe2O3 %  | K2O %    | MgO %    | MnO %    | Na2O %   | P2O5 %   | SiO2 %   | SrO %    | TiO2 %   | LOI 1000 % | Total %  |          |          |       |
|                            |                          | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01       | 0.01     | 0.01     | 0.01     | 0.01  |
| <b>STANDARDS</b>           |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |          |          |       |
| AMIS0304                   |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |          |          |       |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |          |          |       |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |          |          |       |
| AMIS0461                   |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |          |          | 38.38 |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |          |          | 36.66 |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |          |          | 40.54 |
| DS-1                       |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |          |          |       |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |          |          |       |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |          |          |       |
| GS313-8                    |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |          |          |       |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |          |          |       |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |          |          |       |
| MGeo08                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |          |          |       |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |          |          |       |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |          |          |       |
| MGeo08                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |          |          |       |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |          |          |       |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |          |          |       |
| OREAS 146                  |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |          |          |       |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |          |          |       |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |          |          |       |
| OREAS 218                  |                          | 13.46    | 0.02     | 10.05    | 0.03     | 12.04    | 0.23     | 7.25     | 0.19     | 2.94     | 0.10     | 48.72    | 0.02     | 1.12     |            |          |          |          | 96.70 |
| Target Range - Lower Bound |                          | 13.04    | <0.01    | 9.73     | <0.01    | 11.63    | 0.20     | 6.81     | 0.16     | 2.75     | 0.07     | 48.02    | <0.01    | 1.04     |            |          |          |          | <0.01 |
| Upper Bound                |                          | 13.96    | 0.04     | 10.45    | 0.05     | 12.47    | 0.26     | 7.39     | 0.22     | 3.05     | 0.13     | 50.38    | 0.03     | 1.20     |            |          |          |          | 0.02  |
| OREAS 220                  |                          | 13.63    | 0.03     | 9.63     | 0.04     | 11.34    | 0.47     | 6.99     | 0.17     | 2.75     | 0.18     | 49.77    | 0.03     | 1.28     |            |          |          |          | 96.83 |
| Target Range - Lower Bound |                          | 13.12    | <0.01    | 9.28     | 0.02     | 11.00    | 0.42     | 6.92     | 0.14     | 2.60     | 0.15     | 49.10    | <0.01    | 1.19     |            |          |          |          | <0.01 |
| Upper Bound                |                          | 14.04    | 0.05     | 10.00    | 0.06     | 11.80    | 0.51     | 7.50     | 0.20     | 2.90     | 0.21     | 51.50    | 0.05     | 1.37     |            |          |          |          | 0.02  |
| OREAS 501b                 |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |          |          |       |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |          |          |       |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |          |          |       |
| OREAS 602                  |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |          |          |       |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |          |          |       |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |          |          |       |
| OREAS-101b                 |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |          |          |       |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |          |          |       |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |          |          |       |
| SCH-1                      |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |          |          | 2.72  |

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313315**

| Sample Description         | Method Analyte Units LOD | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |        |
|----------------------------|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
|                            |                          | Ba ppm  | Ce ppm  | Cr ppm  | Cs ppm  | Dy ppm  | Er ppm  | Eu ppm  | Ga ppm  | Gd ppm  | Ge ppm  | Hf ppm  | Ho ppm  | La ppm  | Lu ppm  | Nb ppm |
|                            |                          | 0.5     | 0.1     | 10      | 0.01    | 0.05    | 0.03    | 0.03    | 0.1     | 0.05    | 5       | 0.2     | 0.01    | 0.1     | 0.01    |        |
| <b>STANDARDS</b>           |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| AMIS0304                   |                          | 2580    | 8760    | 90      | 0.36    | 142.0   | 35.6    | 155.5   | 46.1    | 361     | 6       | 27.9    | 18.60   | 3550    | 1.91    | >2500  |
| Target Range - Lower Bound |                          | 2340    | 7280    | 70      | 0.35    | 119.0   | 30.6    | 135.0   | 47.8    | 309     | <5      | 25.0    | 16.20   | 3250    | 1.84    | 4670   |
| Upper Bound                |                          | 2860    | 8900    | 120     | 0.45    | 145.5   | 37.4    | 165.0   | 58.7    | 377     | 18      | 31.0    | 19.80   | 3970    | 2.27    | >2500  |
| AMIS0461                   |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| DS-1                       |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| GS313-8                    |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| MGeo08                     |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| MGeo08                     |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 146                  |                          | >10000  | 5030    | 190     | 0.52    | 235     | 85.1    | 123.5   | 21.8    | 342     | <5      | 4.1     | 35.8    | 2620    | 5.97    | 388    |
| Target Range - Lower Bound |                          | 11450   | 4220    | 160     | 0.47    | 202     | 78.3    | 114.5   | 26.2    | 323     | <5      | 3.6     | 33.1    | 2260    | 5.66    | 349    |
| Upper Bound                |                          | >10000  | 5160    | 220     | 0.59    | 246     | 95.7    | 139.5   | 32.2    | 395     | 15      | 4.8     | 40.5    | 2760    | 6.94    | 427    |
| OREAS 218                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 220                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 501b                 |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 602                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS-101b                 |                          | 188.5   | 1435    | 30      | 2.58    | 33.5    | 19.60   | 8.06    | 28.4    | 36.6    | <5      | 11.1    | 6.42    | 822     | 2.47    | 60.1   |
| Target Range - Lower Bound |                          |         | 1200    |         |         | 28.8    | 16.80   | 6.96    |         | 32.4    |         |         | 5.70    | 710     | 2.31    |        |
| Upper Bound                |                          |         | 1465    |         |         | 35.4    | 20.6    | 8.58    |         | 39.7    |         |         | 6.98    | 868     | 2.85    |        |
| SCH-1                      |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313315**

| Sample Description         | Method Analyte Units LOD | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |        |
|----------------------------|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
|                            |                          | Nd ppm  | Pr ppm  | Rb ppm  | Sm ppm  | Sn ppm  | Sr ppm  | Ta ppm  | Tb ppm  | Th ppm  | Tm ppm  | U ppm   | V ppm   | W ppm   | Y ppm   | Yb ppm |
| <b>STANDARDS</b>           |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| AMIS0304                   |                          | 4300    | >1000   | 11.0    | 589     | 24      | 3620    | 12.8    | 34.6    | 443     | 3.40    | 24.0    | 360     | 6       | 422     | 17.05  |
| Target Range - Lower Bound |                          | 3610    | 925     | 9.3     | 543     | 22      | 3060    | 11.1    | 30.8    | 406     | 3.14    | 21.6    | 331     | 3       | 369     | 15.25  |
| Upper Bound                |                          | 4410    | >1000   | 11.8    | 664     | 29      | 3740    | 13.8    | 37.7    | 496     | 3.86    | 26.5    | 415     | 7       | 451     | 18.75  |
| AMIS0461                   |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| DS-1                       |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| GS313-8                    |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| MRGeo08                    |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| MRGeo08                    |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 146                  |                          | 2380    | 607     | 24.9    | 471     | 45      | 3170    | 4.5     | 43.9    | 957     | 9.33    | 2.69    | 153     | 28      | 944     | 49.7   |
| Target Range - Lower Bound |                          | 1965    | 493     | 23.7    | 397     | 40      | 2790    | 3.6     | 42.5    | 813     | 8.90    | 2.37    | 140     | 25      | 814     | 48.1   |
| Upper Bound                |                          | 2400    | 603     | 29.5    | 485     | 52      | 3410    | 4.6     | 51.9    | 993     | 10.90   | 3.01    | 182     | 33      | 996     | 58.9   |
| OREAS 218                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 220                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 501b                 |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 602                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS-101b                 |                          | 408     | 132.5   | 194.0   | 49.9    | 9       | 22.7    | 3.1     | 5.21    | 36.1    | 2.76    | 395     | 80      | 20      | 180.5   | 18.55  |
| Target Range - Lower Bound |                          | 340     | 114.5   |         | 43.2    |         |         |         | 4.82    | 32.7    | 2.38    | 348     | 66      |         | 160.0   |        |
| Upper Bound                |                          | 416     | 139.5   |         | 52.8    |         |         |         | 5.92    | 40.1    | 2.94    | 426     | 94      |         | 196.0   |        |
| SCH-1                      |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313315**

| Sample Description         | Method Analyte Units LOD | ME-MS81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 |        |
|----------------------------|--------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|---------|---------|--------|
|                            |                          | Zr ppm  | Ag ppm    | Cd ppm    | Co ppm    | Cu ppm    | Li ppm    | Mo ppm    | Ni ppm    | Pb ppm    | Sc ppm    | Zn ppm  | As ppm  | Bi ppm  | Hg ppm  | In ppm |
|                            |                          | 2       | 0.5       | 0.5       | 1         | 1         | 10        | 1         | 1         | 2         | 1         | 2       | 0.1     | 0.01    | 0.005   | 0.005  |
| <b>STANDARDS</b>           |                          |         |           |           |           |           |           |           |           |           |           |         |         |         |         |        |
| AMIS0304                   |                          | 1135    |           |           |           |           |           |           |           |           |           |         |         |         |         |        |
| Target Range - Lower Bound |                          | 1005    |           |           |           |           |           |           |           |           |           |         |         |         |         |        |
| Upper Bound                |                          | 1230    |           |           |           |           |           |           |           |           |           |         |         |         |         |        |
| AMIS0461                   |                          |         |           |           |           |           |           |           |           |           |           |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |           |           |           |           |           |           |           |           |           |         |         |         |         |        |
| Upper Bound                |                          |         |           |           |           |           |           |           |           |           |           |         |         |         |         |        |
| DS-1                       |                          |         |           |           |           |           |           |           |           |           |           |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |           |           |           |           |           |           |           |           |           |         |         |         |         |        |
| Upper Bound                |                          |         |           |           |           |           |           |           |           |           |           |         |         |         |         |        |
| GS313-8                    |                          |         |           |           |           |           |           |           |           |           |           |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |           |           |           |           |           |           |           |           |           |         |         |         |         |        |
| Upper Bound                |                          |         |           |           |           |           |           |           |           |           |           |         |         |         |         |        |
| MRGeo08                    |                          |         | 4.3       | 2.3       | 21        | 618       | 30        | 14        | 698       | 1085      | 11        | 788     |         |         |         |        |
| Target Range - Lower Bound |                          |         | 3.2       | 1.1       | 17        | 586       | <10       | 12        | 621       | 969       | 10        | 722     |         |         |         |        |
| Upper Bound                |                          |         | 5.6       | 3.4       | 23        | 676       | 50        | 18        | 761       | 1190      | 15        | 886     |         |         |         |        |
| MRGeo08                    |                          |         |           |           |           |           |           |           |           |           |           |         | 32.8    | 0.65    | 0.054   | 0.153  |
| Target Range - Lower Bound |                          |         |           |           |           |           |           |           |           |           |           |         | 29.6    | 0.58    | 0.045   | 0.137  |
| Upper Bound                |                          |         |           |           |           |           |           |           |           |           |           |         | 36.4    | 0.73    | 0.077   | 0.179  |
| OREAS 146                  |                          | 225     |           |           |           |           |           |           |           |           |           |         |         |         |         |        |
| Target Range - Lower Bound |                          | 204     |           |           |           |           |           |           |           |           |           |         |         |         |         |        |
| Upper Bound                |                          | 254     |           |           |           |           |           |           |           |           |           |         |         |         |         |        |
| OREAS 218                  |                          |         |           |           |           |           |           |           |           |           |           |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |           |           |           |           |           |           |           |           |           |         |         |         |         |        |
| Upper Bound                |                          |         |           |           |           |           |           |           |           |           |           |         |         |         |         |        |
| OREAS 220                  |                          |         |           |           |           |           |           |           |           |           |           |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |           |           |           |           |           |           |           |           |           |         |         |         |         |        |
| Upper Bound                |                          |         |           |           |           |           |           |           |           |           |           |         |         |         |         |        |
| OREAS 501b                 |                          |         |           |           |           |           |           |           |           |           |           |         | 19.5    | 1.41    | 0.010   | 0.182  |
| Target Range - Lower Bound |                          |         |           |           |           |           |           |           |           |           |           |         | 16.9    | 1.43    | 0.006   |        |
| Upper Bound                |                          |         |           |           |           |           |           |           |           |           |           |         | 20.9    | 1.77    | 0.030   |        |
| OREAS 602                  |                          |         | >100      | 26.7      | 10        | 5210      | 20        | 4         | 61        | 1045      | 4         | 4130    |         |         |         |        |
| Target Range - Lower Bound |                          |         | 107.5     | 21.7      | 7         | 4790      | <10       | 2         | 53        | 918       | 2         | 3770    |         |         |         |        |
| Upper Bound                |                          |         | 100.0     | 27.7      | 12        | 5510      | 40        | 7         | 67        | 1125      | 6         | 4610    |         |         |         |        |
| OREAS-101b                 |                          | 414     |           |           |           |           |           |           |           |           |           |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |           |           |           |           |           |           |           |           |           |         |         |         |         |        |
| Upper Bound                |                          |         |           |           |           |           |           |           |           |           |           |         |         |         |         |        |
| SCH-1                      |                          |         |           |           |           |           |           |           |           |           |           |         |         |         |         |        |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313315**

| Sample Description         | Method Analyte Units LOD | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 | S-IR08 | C-IR07 |
|----------------------------|--------------------------|---------|---------|---------|---------|---------|---------|--------|--------|
|                            |                          | Re ppm  | Sb ppm  | Sc ppm  | Se ppm  | Te ppm  | Tl ppm  | S %    | C %    |
| <b>STANDARDS</b>           |                          |         |         |         |         |         |         |        |        |
| AMIS0304                   |                          |         |         |         |         |         |         |        |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |        |        |
| Upper Bound                |                          |         |         |         |         |         |         |        |        |
| AMIS0461                   |                          |         |         |         |         |         |         |        |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |        |        |
| Upper Bound                |                          |         |         |         |         |         |         |        |        |
| DS-1                       |                          |         |         |         |         |         |         | 2.66   | 3.13   |
| Target Range - Lower Bound |                          |         |         |         |         |         |         | 2.51   | 3.01   |
| Upper Bound                |                          |         |         |         |         |         |         | 2.71   | 3.25   |
| GS313-8                    |                          |         |         |         |         |         |         | 1.23   | 0.93   |
| Target Range - Lower Bound |                          |         |         |         |         |         |         | 1.19   | 0.90   |
| Upper Bound                |                          |         |         |         |         |         |         | 1.29   | 0.98   |
| MGeo08                     |                          |         |         |         |         |         |         |        |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |        |        |
| Upper Bound                |                          |         |         |         |         |         |         |        |        |
| MGeo08                     |                          | 0.007   | 3.32    | 7.4     | 0.9     | 0.02    | 0.84    |        |        |
| Target Range - Lower Bound |                          | 0.006   | 2.80    | 6.7     | 0.6     | <0.01   | 0.64    |        |        |
| Upper Bound                |                          | 0.010   | 3.90    | 8.4     | 1.5     | 0.04    | 0.92    |        |        |
| OREAS 146                  |                          |         |         |         |         |         |         |        |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |        |        |
| Upper Bound                |                          |         |         |         |         |         |         |        |        |
| OREAS 218                  |                          |         |         |         |         |         |         |        |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |        |        |
| Upper Bound                |                          |         |         |         |         |         |         |        |        |
| OREAS 220                  |                          |         |         |         |         |         |         |        |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |        |        |
| Upper Bound                |                          |         |         |         |         |         |         |        |        |
| OREAS 501b                 |                          | 0.002   | 0.48    | 6.8     | 2.8     | 0.08    | 0.67    |        |        |
| Target Range - Lower Bound |                          |         | 0.34    | 6.3     | 2.2     | 0.05    | 0.57    |        |        |
| Upper Bound                |                          |         | 0.64    | 7.9     | 3.3     | 0.10    | 0.81    |        |        |
| OREAS 602                  |                          |         |         |         |         |         |         |        |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |        |        |
| Upper Bound                |                          |         |         |         |         |         |         |        |        |
| OREAS-101b                 |                          |         |         |         |         |         |         |        |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |        |        |
| Upper Bound                |                          |         |         |         |         |         |         |        |        |
| SCH-1                      |                          |         |         |         |         |         |         |        |        |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313315**

| Sample Description         | Method Analyte Units LOD | ME-XRF26 Al2O3 % | ME-XRF26 BaO % | ME-XRF26 CaO % | ME-XRF26 Cr2O3 % | ME-XRF26 Fe2O3 % | ME-XRF26 K2O % | ME-XRF26 MgO % | ME-XRF26 MnO % | ME-XRF26 Na2O % | ME-XRF26 P2O5 % | ME-XRF26 SiO2 % | ME-XRF26 SrO % | ME-XRF26 TiO2 % | OA-GRA05x LOI 1000 % | ME-XRF26 Total % |
|----------------------------|--------------------------|------------------|----------------|----------------|------------------|------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------------|------------------|
|                            |                          | 0.01             | 0.01           | 0.01           | 0.01             | 0.01             | 0.01           | 0.01           | 0.01           | 0.01            | 0.01            | 0.01            | 0.01           | 0.01            | 0.01                 | 0.01             |
| <b>STANDARDS</b>           |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 2.58             |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 2.88             |
| SY-4                       |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| <b>BLANKS</b>              |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313315**

| Sample Description         | Method Analyte Units LOD | ME-MS81 Ba ppm | ME-MS81 Ce ppm | ME-MS81 Cr ppm | ME-MS81 Cs ppm | ME-MS81 Dy ppm | ME-MS81 Er ppm | ME-MS81 Eu ppm | ME-MS81 Ga ppm | ME-MS81 Gd ppm | ME-MS81 Ge ppm | ME-MS81 Hf ppm | ME-MS81 Ho ppm | ME-MS81 La ppm | ME-MS81 Lu ppm | ME-MS81 Nb ppm |  |
|----------------------------|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--|
|                            |                          | 0.5            | 0.1            | 10             | 0.01           | 0.05           | 0.03           | 0.03           | 0.1            | 0.05           | 5              | 0.2            | 0.01           | 0.1            | 0.01           | 0.2            |  |
| <b>STANDARDS</b>           |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| SY-4                       |                          | 333            | 119.5          | 10             | 1.43           | 19.20          | 14.85          | 1.79           | 37.3           | 14.10          | <5             | 10.3           | 4.22           | 56.7           | 1.99           | 12.9           |  |
| Target Range - Lower Bound |                          | 306            | 109.5          | <10            | 1.34           | 16.35          | 12.75          | 1.77           | 33.1           | 12.55          | <5             | 9.8            | 3.86           | 52.1           | 1.88           | 11.5           |  |
| Upper Bound                |                          | 375            | 134.5          | 30             | 1.66           | 20.1           | 15.65          | 2.23           | 40.7           | 15.45          | 12             | 12.4           | 4.74           | 63.9           | 2.32           | 14.5           |  |
| <b>BLANKS</b>              |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| BLANK                      |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| BLANK                      |                          | 0.5            | <0.1           | <10            | 0.01           | <0.05          | <0.03          | <0.03          | 0.1            | <0.05          | <5             | <0.2           | <0.01          | <0.1           | <0.01          | <0.2           |  |
| BLANK                      |                          | 1.0            | <0.1           | <10            | <0.01          | <0.05          | <0.03          | <0.03          | <0.1           | <0.05          | <5             | <0.2           | <0.01          | <0.1           | <0.01          | <0.2           |  |
| Target Range - Lower Bound |                          | <0.5           | <0.1           | <10            | <0.01          | <0.05          | <0.03          | <0.03          | <0.1           | <0.05          |                | <0.2           | <0.01          | <0.1           | <0.01          | <0.2           |  |
| Upper Bound                |                          | 1.0            | 0.2            | 20             | 0.02           | 0.10           | 0.06           | 0.06           | 0.2            | 0.10           |                | 0.4            | 0.02           | 0.2            | 0.02           | 0.4            |  |
| BLANK                      |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| BLANK                      |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| BLANK                      |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |

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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Finalized Date: 31-DEC-2019  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313315**

| Sample Description         | Method Analyte Units LOD | ME-MS81 Nd ppm | ME-MS81 Pr ppm | ME-MS81 Rb ppm | ME-MS81 Sm ppm | ME-MS81 Sn ppm | ME-MS81 Sr ppm | ME-MS81 Ta ppm | ME-MS81 Tb ppm | ME-MS81 Th ppm | ME-MS81 Tm ppm | ME-MS81 U ppm | ME-MS81 V ppm | ME-MS81 W ppm | ME-MS81 Y ppm | ME-MS81 Yb ppm |
|----------------------------|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|
|                            |                          | 0.1            | 0.03           | 0.2            | 0.03           | 1              | 0.1            | 0.1            | 0.01           | 0.05           | 0.01           | 0.05          | 5             | 1             | 0.1           | 0.03           |
| <b>STANDARDS</b>           |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| SY-4                       |                          | 57.3           | 14.75          | 50.9           | 12.80          | 8              | 1235           | 0.8            | 2.63           | 1.31           | 2.08           | 0.78          | 8             | <1            | 115.5         | 14.50          |
| Target Range - Lower Bound |                          | 51.2           | 13.45          | 49.3           | 11.40          | 6              | 1070           | 0.7            | 2.33           | 1.11           | 2.06           | 0.66          | <5            | <1            | 107.0         | 13.30          |
| Upper Bound                |                          | 62.8           | 16.55          | 60.7           | 14.00          | 10             | 1310           | 1.1            | 2.87           | 1.47           | 2.54           | 0.94          | 18            | 3             | 131.0         | 16.30          |
| <b>BLANKS</b>              |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| BLANK                      |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| BLANK                      |                          | <0.1           | <0.03          | <0.2           | <0.03          | <1             | <0.1           | 0.1            | <0.01          | <0.05          | <0.01          | <0.05         | <5            | 1             | <0.1          | <0.03          |
| BLANK                      |                          | <0.1           | <0.03          | <0.2           | <0.03          | <1             | <0.1           | <0.1           | <0.01          | <0.05          | <0.01          | <0.05         | <5            | 1             | <0.1          | <0.03          |
| Target Range - Lower Bound |                          | <0.1           | <0.03          | <0.2           | <0.03          | <1             | <0.1           | <0.1           | <0.01          | <0.05          | <0.01          | <0.05         | <5            | <1            | <0.1          | <0.03          |
| Upper Bound                |                          | 0.2            | 0.06           | 0.4            | 0.06           | 2              | 0.2            | 0.2            | 0.02           | 0.10           | 0.02           | 0.10          | 10            | 2             | 0.2           | 0.06           |
| BLANK                      |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| BLANK                      |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| BLANK                      |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313315**

| Sample Description         | Method Analyte Units LOD | ME-MS81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 |
|----------------------------|--------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|---------|---------|
|                            | Zr                       | Ag      | Cd        | Co        | Cu        | Li        | Mo        | Ni        | Pb        | Sc        | Zn        | As        | Bi      | Hg      | In      |         |
|                            | ppm                      | ppm     | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm     | ppm     | ppm     |         |
|                            | 2                        | 0.5     | 0.5       | 1         | 1         | 10        | 1         | 1         | 2         | 1         | 2         | 0.1       | 0.01    | 0.005   | 0.005   |         |
| <b>STANDARDS</b>           |                          |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |                          |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |                          |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| SY-4                       |                          | 550     |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |                          | 543     |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |                          | 668     |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| <b>BLANKS</b>              |                          |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| BLANK                      |                          | <0.5    | <0.5      | <1        | 1         | <10       | <1        | <1        | <2        | <1        | <2        |           |         |         |         |         |
| Target Range - Lower Bound |                          | <0.5    | <0.5      | <1        | <1        |           | <1        | <1        | <2        |           | <2        |           |         |         |         |         |
| Upper Bound                |                          | 1.0     | 1.0       | 2         | 2         |           | 2         | 2         | 4         |           | 4         |           |         |         |         |         |
| BLANK                      |                          |         |           |           |           |           |           |           |           |           |           | <0.1      | <0.01   | <0.005  | <0.005  |         |
| Target Range - Lower Bound |                          |         |           |           |           |           |           |           |           |           |           | <0.1      | <0.01   | <0.005  | <0.005  |         |
| Upper Bound                |                          |         |           |           |           |           |           |           |           |           |           | 0.2       | 0.02    | 0.010   | 0.010   |         |
| BLANK                      |                          | <2      |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| BLANK                      |                          | <2      |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |                          | <2      |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |                          | 4       |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| BLANK                      |                          |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |                          |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |                          |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| BLANK                      |                          |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |                          |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |                          |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| BLANK                      |                          |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |                          |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |                          |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313315**

| Sample Description         | Method Analyte Units LOD | ME-MS42 Re ppm | ME-MS42 Sb ppm | ME-MS42 Sc ppm | ME-MS42 Se ppm | ME-MS42 Te ppm | ME-MS42 Tl ppm | S-IR08 S % | C-IR07 C % |
|----------------------------|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|------------|------------|
| <b>STANDARDS</b>           |                          |                |                |                |                |                |                |            |            |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |            |            |
| Upper Bound                |                          |                |                |                |                |                |                |            |            |
| SY-4                       |                          |                |                |                |                |                |                |            |            |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |            |            |
| Upper Bound                |                          |                |                |                |                |                |                |            |            |
| <b>BLANKS</b>              |                          |                |                |                |                |                |                |            |            |
| BLANK                      |                          | <0.001         | <0.05          | <0.1           | <0.2           | <0.01          | <0.02          |            |            |
| Target Range - Lower Bound |                          | <0.001         | <0.05          | <0.1           | <0.2           | <0.01          | <0.02          |            |            |
| Upper Bound                |                          | 0.002          | 0.10           | 0.2            | 0.4            | 0.02           | 0.04           |            |            |
| BLANK                      |                          |                |                |                |                |                |                |            |            |
| BLANK                      |                          |                |                |                |                |                |                |            |            |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |            |            |
| Upper Bound                |                          |                |                |                |                |                |                |            |            |
| BLANK                      |                          |                |                |                |                |                |                |            |            |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |            |            |
| Upper Bound                |                          |                |                |                |                |                |                |            |            |
| BLANK                      |                          |                |                |                |                |                |                |            |            |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |            |            |
| Upper Bound                |                          |                |                |                |                |                |                |            |            |
| BLANK                      |                          |                |                |                |                |                |                | <0.01      | <0.01      |
| Target Range - Lower Bound |                          |                |                |                |                |                |                | <0.01      | <0.01      |
| Upper Bound                |                          |                |                |                |                |                |                | 0.02       | 0.02       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313315**

| Sample Description         | Method<br>Analyte<br>Units<br>LOD | ME-XRF26<br>Al2O3<br>% | ME-XRF26<br>BaO<br>% | ME-XRF26<br>CaO<br>% | ME-XRF26<br>Cr2O3<br>% | ME-XRF26<br>Fe2O3<br>% | ME-XRF26<br>K2O<br>% | ME-XRF26<br>MgO<br>% | ME-XRF26<br>MnO<br>% | ME-XRF26<br>Na2O<br>% | ME-XRF26<br>P2O5<br>% | ME-XRF26<br>SiO2<br>% | ME-XRF26<br>SrO<br>% | ME-XRF26<br>TiO2<br>% | OA-GRA05x<br>LOI 1000<br>% | ME-XRF26<br>Total<br>% |
|----------------------------|-----------------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------|-----------------------|-----------------------|----------------------|-----------------------|----------------------------|------------------------|
|                            |                                   | 0.01                   | 0.01                 | 0.01                 | 0.01                   | 0.01                   | 0.01                 | 0.01                 | 0.01                 | 0.01                  | 0.01                  | 0.01                  | 0.01                 | 0.01                  | 0.01                       | 0.01                   |
| <b>DUPLICATES</b>          |                                   |                        |                      |                      |                        |                        |                      |                      |                      |                       |                       |                       |                      |                       |                            |                        |
| ORIGINAL<br>DUP            |                                   |                        |                      |                      |                        |                        |                      |                      |                      |                       |                       |                       |                      |                       |                            |                        |
| Target Range - Lower Bound |                                   |                        |                      |                      |                        |                        |                      |                      |                      |                       |                       |                       |                      |                       |                            |                        |
| Upper Bound                |                                   |                        |                      |                      |                        |                        |                      |                      |                      |                       |                       |                       |                      |                       |                            |                        |
| W933448                    |                                   | 10.55                  | 0.15                 | 8.51                 | 0.18                   | 9.70                   | 1.73                 | 12.80                | 0.19                 | 1.22                  | 0.22                  | 37.71                 | 0.04                 | 0.55                  | 16.04                      | 99.94                  |
| DUP                        |                                   | 10.54                  | 0.14                 | 8.51                 | 0.17                   | 9.69                   | 1.72                 | 12.85                | 0.19                 | 1.22                  | 0.22                  | 37.76                 | 0.04                 | 0.55                  | 15.92                      | 99.98                  |
| Target Range - Lower Bound |                                   | 10.38                  | 0.13                 | 8.37                 | 0.16                   | 9.54                   | 1.67                 | 12.60                | 0.18                 | 1.18                  | 0.20                  | 37.16                 | 0.03                 | 0.53                  | 15.57                      | 98.95                  |
| Upper Bound                |                                   | 10.71                  | 0.16                 | 8.65                 | 0.19                   | 9.85                   | 1.78                 | 13.05                | 0.20                 | 1.26                  | 0.24                  | 38.31                 | 0.05                 | 0.57                  | 16.39                      | 100.95                 |
| W933455                    |                                   |                        |                      |                      |                        |                        |                      |                      |                      |                       |                       |                       |                      |                       |                            |                        |
| DUP                        |                                   |                        |                      |                      |                        |                        |                      |                      |                      |                       |                       |                       |                      |                       |                            |                        |
| Target Range - Lower Bound |                                   |                        |                      |                      |                        |                        |                      |                      |                      |                       |                       |                       |                      |                       |                            |                        |
| Upper Bound                |                                   |                        |                      |                      |                        |                        |                      |                      |                      |                       |                       |                       |                      |                       |                            |                        |
| W933648                    |                                   |                        |                      |                      |                        |                        |                      |                      |                      |                       |                       |                       |                      |                       |                            |                        |
| DUP                        |                                   |                        |                      |                      |                        |                        |                      |                      |                      |                       |                       |                       |                      |                       |                            |                        |
| Target Range - Lower Bound |                                   |                        |                      |                      |                        |                        |                      |                      |                      |                       |                       |                       |                      |                       |                            |                        |
| Upper Bound                |                                   |                        |                      |                      |                        |                        |                      |                      |                      |                       |                       |                       |                      |                       |                            |                        |
| W933399                    |                                   |                        |                      |                      |                        |                        |                      |                      |                      |                       |                       |                       |                      |                       |                            |                        |
| DUP                        |                                   |                        |                      |                      |                        |                        |                      |                      |                      |                       |                       |                       |                      |                       |                            |                        |
| Target Range - Lower Bound |                                   |                        |                      |                      |                        |                        |                      |                      |                      |                       |                       |                       |                      |                       |                            |                        |
| Upper Bound                |                                   |                        |                      |                      |                        |                        |                      |                      |                      |                       |                       |                       |                      |                       |                            |                        |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313315**

| Sample Description         | Method<br>Analyte<br>Units<br>LOD | ME-MS81<br>Ba<br>ppm<br>0.5 | ME-MS81<br>Ce<br>ppm<br>0.1 | ME-MS81<br>Cr<br>ppm<br>10 | ME-MS81<br>Cs<br>ppm<br>0.01 | ME-MS81<br>Dy<br>ppm<br>0.05 | ME-MS81<br>Er<br>ppm<br>0.03 | ME-MS81<br>Eu<br>ppm<br>0.03 | ME-MS81<br>Ga<br>ppm<br>0.1 | ME-MS81<br>Gd<br>ppm<br>0.05 | ME-MS81<br>Ge<br>ppm<br>5 | ME-MS81<br>Hf<br>ppm<br>0.2 | ME-MS81<br>Ho<br>ppm<br>0.01 | ME-MS81<br>La<br>ppm<br>0.1 | ME-MS81<br>Lu<br>ppm<br>0.01 | ME-MS81<br>Nb<br>ppm<br>0.2 |
|----------------------------|-----------------------------------|-----------------------------|-----------------------------|----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|------------------------------|---------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|-----------------------------|
| <b>DUPLICATES</b>          |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| ORIGINAL                   |                                   | 48.8                        | 36.0                        | 70                         | 1.25                         | 2.42                         | 1.85                         | 0.24                         | 47.9                        | 1.71                         | <5                        | 5.3                         | 0.49                         | 11.9                        | 0.31                         | 41.9                        |
| DUP                        |                                   | 50.0                        | 37.5                        | 70                         | 1.29                         | 2.51                         | 1.68                         | 0.25                         | 48.2                        | 1.76                         | <5                        | 5.4                         | 0.51                         | 12.7                        | 0.32                         | 42.5                        |
| Target Range - Lower Bound |                                   | 46.4                        | 34.8                        | 60                         | 1.20                         | 2.29                         | 1.65                         | 0.20                         | 45.5                        | 1.60                         | <5                        | 4.9                         | 0.47                         | 11.6                        | 0.29                         | 39.9                        |
| Upper Bound                |                                   | 52.4                        | 38.7                        | 80                         | 1.34                         | 2.64                         | 1.88                         | 0.29                         | 50.6                        | 1.87                         | 10                        | 5.8                         | 0.54                         | 13.0                        | 0.34                         | 44.5                        |
| W933448<br>DUP             |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| W933455<br>DUP             |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| W933648                    |                                   | 2050                        | 115.0                       | 320                        | 3.04                         | 3.83                         | 1.81                         | 2.17                         | 19.5                        | 6.46                         | <5                        | 4.0                         | 0.65                         | 56.0                        | 0.17                         | 5.0                         |
| DUP                        |                                   | 2140                        | 117.0                       | 340                        | 3.04                         | 3.95                         | 1.91                         | 2.39                         | 20.5                        | 6.79                         | <5                        | 3.9                         | 0.73                         | 56.6                        | 0.21                         | 5.5                         |
| Target Range - Lower Bound |                                   | 1990                        | 110.0                       | 300                        | 2.88                         | 3.65                         | 1.74                         | 2.14                         | 18.9                        | 6.24                         | <5                        | 3.6                         | 0.65                         | 53.4                        | 0.17                         | 4.8                         |
| Upper Bound                |                                   | 2200                        | 122.0                       | 360                        | 3.20                         | 4.13                         | 1.98                         | 2.42                         | 21.1                        | 7.01                         | 10                        | 4.3                         | 0.73                         | 59.2                        | 0.21                         | 5.7                         |
| W933399<br>DUP             |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313315**

| Sample Description         | Method | Analyte | Units | LOD | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |     |      |      |
|----------------------------|--------|---------|-------|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----|------|------|
|                            |        |         |       |     | Nd      | Pr      | Rb      | Sm      | Sn      | Sr      | Ta      | Tb      | Th      | Tm      | U       | V       | W   | Y    | Yb   |
|                            |        |         |       |     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm | ppm  | ppm  |
|                            |        |         |       |     | 0.1     | 0.03    | 0.2     | 0.03    | 1       | 0.1     | 0.1     | 0.01    | 0.05    | 0.01    | 0.05    | 5       | 1   | 0.1  | 0.03 |
| <b>DUPLICATES</b>          |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |     |      |      |
| ORIGINAL                   |        |         |       |     | 10.6    | 2.90    | 28.1    | 2.60    | 9       | 5.8     | 3.9     | 0.35    | 23.0    | 0.26    | 4.01    | 391     | 2   | 12.5 | 2.15 |
| DUP                        |        |         |       |     | 10.4    | 3.05    | 29.1    | 2.40    | 10      | 6.1     | 3.9     | 0.33    | 23.0    | 0.27    | 3.94    | 384     | 2   | 12.7 | 2.32 |
| Target Range - Lower Bound |        |         |       |     | 9.9     | 2.80    | 27.0    | 2.35    | 8       | 5.6     | 3.6     | 0.31    | 21.8    | 0.24    | 3.73    | 363     | <1  | 11.9 | 2.09 |
| Upper Bound                |        |         |       |     | 11.1    | 3.15    | 30.2    | 2.66    | 11      | 6.3     | 4.2     | 0.37    | 24.2    | 0.29    | 4.22    | 412     | 3   | 13.3 | 2.38 |
| W933448                    |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |     |      |      |
| DUP                        |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |     |      |      |
| Target Range - Lower Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |     |      |      |
| Upper Bound                |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |     |      |      |
| W933455                    |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |     |      |      |
| DUP                        |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |     |      |      |
| Target Range - Lower Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |     |      |      |
| Upper Bound                |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |     |      |      |
| W933648                    |        |         |       |     | 56.1    | 13.85   | 73.3    | 8.90    | 1       | 1120    | 0.8     | 0.74    | 8.89    | 0.21    | 2.56    | 162     | 1   | 17.9 | 1.40 |
| DUP                        |        |         |       |     | 56.7    | 14.10   | 75.7    | 9.65    | 1       | 1175    | 0.9     | 0.74    | 9.50    | 0.21    | 2.68    | 171     | 1   | 18.7 | 1.44 |
| Target Range - Lower Bound |        |         |       |     | 53.5    | 13.25   | 70.6    | 8.78    | <1      | 1090    | 0.7     | 0.69    | 8.69    | 0.19    | 2.44    | 153     | <1  | 17.3 | 1.32 |
| Upper Bound                |        |         |       |     | 59.3    | 14.70   | 78.4    | 9.77    | 2       | 1205    | 1.0     | 0.79    | 9.70    | 0.23    | 2.80    | 180     | 2   | 19.3 | 1.52 |
| W933399                    |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |     |      |      |
| DUP                        |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |     |      |      |
| Target Range - Lower Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |     |      |      |
| Upper Bound                |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |     |      |      |



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 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313315**

| Sample Description         | Method Analyte Units LOD | ME-MS81   | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-MS42   | ME-MS42   | ME-MS42   | ME-MS42 |
|----------------------------|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|
|                            | Zr<br>ppm                | Ag<br>ppm | Cd<br>ppm | Co<br>ppm | Cu<br>ppm | Li<br>ppm | Mo<br>ppm | Ni<br>ppm | Pb<br>ppm | Sc<br>ppm | Zn<br>ppm | As<br>ppm | Bi<br>ppm | Hg<br>ppm | In<br>ppm |         |
|                            | 2                        | 0.5       | 0.5       | 1         | 1         | 10        | 1         | 1         | 2         | 1         | 2         | 0.1       | 0.01      | 0.005     | 0.005     |         |
| <b>DUPLICATES</b>          |                          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |         |
| ORIGINAL                   | 193                      |           |           |           |           |           |           |           |           |           |           |           |           |           |           |         |
| DUP                        | 193                      |           |           |           |           |           |           |           |           |           |           |           |           |           |           |         |
| Target Range - Lower Bound | 181                      |           |           |           |           |           |           |           |           |           |           |           |           |           |           |         |
| Upper Bound                | 205                      |           |           |           |           |           |           |           |           |           |           |           |           |           |           |         |
| W933448                    |                          |           |           |           |           |           |           |           |           |           |           | 0.3       | 0.04      | <0.005    | 0.042     |         |
| DUP                        |                          |           |           |           |           |           |           |           |           |           |           | 0.1       | 0.04      | <0.005    | 0.041     |         |
| Target Range - Lower Bound |                          |           |           |           |           |           |           |           |           |           |           | <0.1      | 0.03      | <0.005    | 0.034     |         |
| Upper Bound                |                          |           |           |           |           |           |           |           |           |           |           | 0.3       | 0.05      | 0.010     | 0.049     |         |
| W933455                    | <0.5                     | <0.5      | 16        | 35        | 10        | 1         | 18        | 21        | 11        | 81        |           |           |           |           |           |         |
| DUP                        | <0.5                     | <0.5      | 16        | 33        | 10        | <1        | 19        | 24        | 11        | 79        |           |           |           |           |           |         |
| Target Range - Lower Bound | <0.5                     | <0.5      | 14        | 32        | <10       | <1        | 17        | 19        | 9         | 74        |           |           |           |           |           |         |
| Upper Bound                | 1.0                      | 1.0       | 18        | 36        | 20        | 2         | 20        | 26        | 13        | 86        |           |           |           |           |           |         |
| W933648                    | 136                      |           |           |           |           |           |           |           |           |           |           |           |           |           |           |         |
| DUP                        | 147                      |           |           |           |           |           |           |           |           |           |           |           |           |           |           |         |
| Target Range - Lower Bound | 132                      |           |           |           |           |           |           |           |           |           |           |           |           |           |           |         |
| Upper Bound                | 151                      |           |           |           |           |           |           |           |           |           |           |           |           |           |           |         |
| W933399                    |                          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |         |
| DUP                        |                          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |         |
| Target Range - Lower Bound |                          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |         |
| Upper Bound                |                          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |         |



ALS Canada Ltd.  
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 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313315**

| Sample Description                                           | Method Analyte Units LOD            | ME-MS42<br>Re<br>ppm<br>0.001   | ME-MS42<br>Sb<br>ppm<br>0.05 | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2   | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02 | S-IR08<br>S<br>%<br>0.01     | C-IR07<br>C<br>%<br>0.01 |
|--------------------------------------------------------------|-------------------------------------|---------------------------------|------------------------------|-----------------------------|-------------------------------|------------------------------|------------------------------|------------------------------|--------------------------|
| <b>DUPLICATES</b>                                            |                                     |                                 |                              |                             |                               |                              |                              |                              |                          |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                                     |                                 |                              |                             |                               |                              |                              |                              |                          |
| W933448<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  | <0.001<br><0.001<br><0.001<br>0.002 | <0.05<br><0.05<br><0.05<br>0.10 | 21.7<br>22.2<br>20.8<br>23.1 | 0.2<br><0.2<br><0.2<br>0.4  | 0.03<br>0.02<br><0.01<br>0.04 | 0.08<br>0.08<br>0.05<br>0.11 |                              |                              |                          |
| W933455<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                                     |                                 |                              |                             |                               |                              |                              |                              |                          |
| W933648<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                                     |                                 |                              |                             |                               |                              |                              |                              |                          |
| W933399<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                                     |                                 |                              |                             |                               |                              | 0.35<br>0.37<br>0.34<br>0.38 | 0.87<br>0.84<br>0.84<br>0.90 |                          |
|                                                              |                                     |                                 |                              |                             |                               |                              |                              |                              |                          |



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North Vancouver BC V7H 0A7  
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313315**

### CERTIFICATE COMMENTS

#### LABORATORY ADDRESSES

|                    |                                                                                        |          |           |         |
|--------------------|----------------------------------------------------------------------------------------|----------|-----------|---------|
| Applies to Method: | Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. |          |           |         |
|                    | C-IR07                                                                                 | FND-02   | ME-4ACD81 | ME-MS42 |
|                    | ME-MS81                                                                                | ME-XRF26 | OA-GRA05x | S-IR08  |



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 North Vancouver BC V7H 0A7  
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**CERTIFICATE TM19302406**

Project: Golden Perimeter  
 P.O. No.: GP-280A-19  
 This report is for 147 Drill Core samples submitted to our lab in Timmins, ON, Canada on 28-NOV-2019.  
 The following have access to data associated with this certificate:

|                              |              |              |
|------------------------------|--------------|--------------|
| IAN DUNLOP<br>CONOR MCKINLEY | DARWIN GREEN | NEAL MAGUIRE |
|------------------------------|--------------|--------------|

| SAMPLE PREPARATION |                                 |
|--------------------|---------------------------------|
| ALS CODE           | DESCRIPTION                     |
| WEI-21             | Received Sample Weight          |
| LOG-21             | Sample logging - ClientBarCode  |
| CRU-31             | Fine crushing - 70% <2mm        |
| LOG-23             | Pulp Login - Rcvd with Barcode  |
| CRU-QC             | Crushing QC Test                |
| PUL-QC             | Pulverizing QC Test             |
| SPL-21             | Split sample - riffle splitter  |
| PUL-31             | Pulverize up to 250g 85% <75 um |

| ANALYTICAL PROCEDURES |                               |            |
|-----------------------|-------------------------------|------------|
| ALS CODE              | DESCRIPTION                   | INSTRUMENT |
| Au-AA26               | Ore Grade Au 50g FA AA finish | AAS        |
| ME-ICP61              | 33 element four acid ICP-AES  | ICP-AES    |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

**Signature:**   
 Saa Traxler, General Manager, North Vancouver



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19302406**

| Sample Description | Method Analyte Units LOD | WEI-21       | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|--------------------------|--------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    |                          | Recvd Wt. kg | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   |
|                    |                          | 0.02         | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 0.01     | 10       |          |
| W933501            |                          | 0.57         | 0.01    | <0.5     | 2.44     | <5       | 520      | 0.5      | <2       | 4.52     | 0.5      | 81       | 1215     | 47       | 5.96     | 10       |
| W933502            |                          | 0.49         | <0.01   | <0.5     | 2.34     | <5       | 50       | <0.5     | <2       | 4.29     | <0.5     | 82       | 1280     | 46       | 5.99     | 10       |
| W933503            |                          | 0.58         | <0.01   | <0.5     | 2.37     | <5       | 30       | <0.5     | <2       | 2.81     | 0.5      | 92       | 1365     | 16       | 6.55     | 10       |
| W933504            |                          | 0.55         | 0.01    | <0.5     | 2.61     | 10       | 180      | <0.5     | <2       | 5.17     | <0.5     | 71       | 1155     | 48       | 5.74     | 10       |
| W933505            |                          | 0.44         | <0.01   | <0.5     | 3.30     | 5        | 210      | 0.6      | <2       | 4.30     | 0.5      | 86       | 1355     | 45       | 6.45     | 10       |
| W933506            |                          | 0.52         | 0.01    | <0.5     | 5.70     | <5       | 1490     | 1.6      | <2       | 3.46     | <0.5     | 46       | 729      | 59       | 4.80     | 10       |
| W933507            |                          | 0.73         | <0.01   | <0.5     | 2.68     | 6        | 440      | 0.7      | <2       | 5.82     | 0.6      | 77       | 1215     | 77       | 5.99     | 10       |
| W933508            |                          | 0.48         | 0.01    | <0.5     | 3.09     | <5       | 450      | 0.6      | <2       | 3.77     | <0.5     | 64       | 869      | 49       | 4.92     | 10       |
| W933509            |                          | 0.58         | <0.01   | <0.5     | 1.61     | <5       | 10       | <0.5     | <2       | 3.11     | <0.5     | 90       | 1175     | 6        | 6.03     | 10       |
| W933510            |                          | 0.38         | <0.01   | <0.5     | 0.82     | <5       | 10       | <0.5     | 2        | 0.03     | <0.5     | 2        | 24       | 1        | 0.73     | <10      |
| W933511            |                          | 0.52         | <0.01   | <0.5     | 3.12     | <5       | 10       | <0.5     | <2       | 3.74     | <0.5     | 88       | 1370     | 31       | 7.01     | 10       |
| W933512            |                          | 1.07         | <0.01   | <0.5     | 2.71     | <5       | 60       | <0.5     | <2       | 5.14     | 0.6      | 82       | 1165     | 35       | 6.05     | 10       |
| W933513            |                          | 1.47         | <0.01   | <0.5     | 2.48     | <5       | 50       | <0.5     | <2       | 4.74     | <0.5     | 78       | 1125     | 30       | 5.88     | 10       |
| W933514            |                          | 0.78         | <0.01   | <0.5     | 2.49     | <5       | 60       | <0.5     | <2       | 2.98     | <0.5     | 87       | 1200     | 14       | 6.33     | 10       |
| W933515            |                          | 2.06         | <0.01   | <0.5     | 2.31     | <5       | 70       | <0.5     | <2       | 3.12     | <0.5     | 90       | 1225     | 18       | 6.16     | 10       |
| W933516            |                          | 1.57         | 0.02    | <0.5     | 2.97     | <5       | 60       | <0.5     | 2        | 4.59     | <0.5     | 81       | 1255     | 28       | 6.26     | 10       |
| W933517            |                          | 1.11         | 0.03    | <0.5     | 7.29     | <5       | 2120     | 2.2      | <2       | 2.64     | <0.5     | 15       | 76       | 66       | 2.77     | 20       |
| W933518            |                          | 0.51         | 0.16    | 0.8      | 7.32     | <5       | 2050     | 2.3      | <2       | 2.11     | <0.5     | 12       | 47       | 30       | 2.31     | 20       |
| W933519            |                          | 0.81         | 0.14    | <0.5     | 7.10     | <5       | 2050     | 2.5      | <2       | 2.23     | <0.5     | 12       | 43       | 25       | 2.48     | 20       |
| W933520            |                          | 0.06         | 0.54    | <0.5     | 6.62     | 6        | 140      | <0.5     | <2       | 6.47     | <0.5     | 45       | 156      | 152      | 7.93     | 20       |
| W933521            |                          | 0.81         | 0.59    | <0.5     | 7.17     | <5       | 2520     | 2.3      | <2       | 2.65     | <0.5     | 13       | 45       | 14       | 2.60     | 20       |
| W933522            |                          | 0.52         | 0.01    | <0.5     | 8.08     | <5       | 2510     | 2.3      | <2       | 2.27     | <0.5     | 13       | 52       | 34       | 2.88     | 20       |
| W933523            |                          | 0.80         | <0.01   | <0.5     | 7.83     | <5       | 2670     | 2.3      | <2       | 2.24     | <0.5     | 14       | 51       | 26       | 2.98     | 20       |
| W933524            |                          | 0.66         | 0.01    | <0.5     | 7.70     | <5       | 2910     | 2.3      | <2       | 2.55     | <0.5     | 13       | 49       | 24       | 2.91     | 20       |
| W933525            |                          | 0.51         | 0.05    | 1.9      | 7.28     | <5       | 2690     | 2.2      | 5        | 2.26     | <0.5     | 10       | 39       | 15       | 2.06     | 20       |
| W933526            |                          | 0.61         | 0.01    | <0.5     | 8.08     | <5       | 2860     | 2.1      | 2        | 1.75     | <0.5     | 10       | 46       | 44       | 2.86     | 20       |
| W933527            |                          | 1.40         | <0.01   | <0.5     | 8.11     | <5       | 2760     | 2.5      | <2       | 1.58     | <0.5     | 11       | 47       | 45       | 3.03     | 20       |
| W933528            |                          | 2.00         | <0.01   | <0.5     | 8.11     | <5       | 2840     | 2.1      | <2       | 1.83     | <0.5     | 13       | 46       | 29       | 2.97     | 20       |
| W933529            |                          | 0.48         | 0.02    | <0.5     | 7.66     | <5       | 2380     | 2.3      | <2       | 2.52     | <0.5     | 10       | 46       | 31       | 2.80     | 20       |
| W933530            |                          | 0.40         | <0.01   | <0.5     | 1.46     | <5       | 20       | <0.5     | <2       | 0.02     | <0.5     | 1        | 13       | 2        | 0.91     | <10      |
| W933531            |                          | 0.28         | 0.06    | <0.5     | 6.91     | <5       | 2310     | 2.3      | <2       | 2.75     | <0.5     | 12       | 41       | 28       | 2.58     | 20       |
| W933532            |                          | 0.68         | <0.01   | <0.5     | 7.87     | <5       | 2860     | 2.2      | 2        | 1.66     | <0.5     | 12       | 44       | 46       | 2.87     | 20       |
| W933533            |                          | 0.46         | <0.01   | <0.5     | 7.25     | <5       | 2430     | 2.9      | <2       | 1.58     | <0.5     | 13       | 44       | 41       | 2.81     | 20       |
| W933534            |                          | 1.38         | <0.01   | <0.5     | 7.81     | <5       | 2510     | 2.4      | 3        | 2.27     | <0.5     | 12       | 47       | 38       | 2.87     | 20       |
| W933535            |                          | 0.57         | 0.01    | <0.5     | 7.49     | <5       | 2710     | 2.2      | <2       | 2.53     | <0.5     | 11       | 48       | 23       | 2.73     | 20       |
| W933536            |                          | 0.35         | 0.03    | <0.5     | 7.64     | <5       | 1960     | 3.0      | 2        | 2.35     | <0.5     | 13       | 49       | 23       | 2.82     | 20       |
| W933537            |                          | 0.52         | 0.06    | <0.5     | 7.79     | <5       | 1980     | 2.5      | 3        | 2.73     | <0.5     | 12       | 48       | 28       | 2.79     | 20       |
| W933538            |                          | 0.41         | 0.08    | <0.5     | 7.26     | <5       | 2740     | 2.6      | 2        | 2.70     | <0.5     | 13       | 75       | 24       | 2.82     | 20       |
| W933539            |                          | 0.38         | <0.01   | <0.5     | 7.80     | <5       | 2620     | 2.5      | <2       | 2.25     | <0.5     | 12       | 46       | 21       | 2.87     | 20       |
| W933540            |                          | 0.06         | 0.55    | <0.5     | 7.29     | 5        | 150      | <0.5     | <2       | 7.22     | <0.5     | 47       | 167      | 163      | 8.60     | 20       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19302406**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| W933501            |                          | 0.80     | <10      | 14.10    | 1075     | <1       | 0.02     | 1250     | 60       | 4        | 0.74     | <5       | 16       | 144      | <20      | 0.08 |
| W933502            |                          | 0.03     | <10      | 15.35    | 982      | <1       | 0.01     | 1400     | 70       | 4        | 0.17     | <5       | 16       | 103      | <20      | 0.04 |
| W933503            |                          | 0.04     | <10      | 16.70    | 1125     | <1       | 0.01     | 1620     | 40       | <2       | 0.01     | <5       | 17       | 64       | <20      | 0.05 |
| W933504            |                          | 0.56     | <10      | 14.30    | 1235     | <1       | 0.22     | 1315     | 150      | 5        | 0.33     | <5       | 15       | 202      | <20      | 0.07 |
| W933505            |                          | 1.37     | 10       | 14.10    | 1115     | <1       | 0.31     | 1260     | 150      | 6        | 0.46     | <5       | 18       | 154      | <20      | 0.12 |
| W933506            |                          | 3.02     | 20       | 6.80     | 792      | 1        | 2.06     | 491      | 660      | 30       | 0.55     | <5       | 14       | 428      | <20      | 0.18 |
| W933507            |                          | 1.96     | <10      | 11.80    | 1225     | <1       | 0.03     | 1105     | 70       | 9        | 0.66     | <5       | 17       | 138      | <20      | 0.12 |
| W933508            |                          | 0.87     | 10       | 11.90    | 1080     | <1       | 1.07     | 1135     | 360      | 7        | 0.47     | <5       | 12       | 177      | <20      | 0.08 |
| W933509            |                          | 0.01     | <10      | 17.15    | 1290     | <1       | 0.01     | 1825     | 40       | 6        | 0.04     | <5       | 12       | 63       | <20      | 0.04 |
| W933510            |                          | 0.03     | 20       | 0.10     | 35       | <1       | 0.01     | 12       | 60       | <2       | <0.01    | <5       | 1        | 11       | <20      | 0.03 |
| W933511            |                          | 0.24     | <10      | 15.05    | 935      | <1       | 0.02     | 1285     | 90       | <2       | 0.01     | <5       | 20       | 75       | <20      | 0.08 |
| W933512            |                          | 0.20     | <10      | 14.40    | 1105     | <1       | 0.02     | 1305     | 80       | 3        | 0.01     | <5       | 17       | 106      | <20      | 0.07 |
| W933513            |                          | 0.16     | <10      | 14.70    | 1150     | <1       | 0.01     | 1330     | 70       | 2        | 0.02     | <5       | 16       | 96       | <20      | 0.06 |
| W933514            |                          | 0.01     | <10      | 16.40    | 999      | 1        | 0.01     | 1555     | 70       | <2       | <0.01    | <5       | 16       | 62       | <20      | 0.06 |
| W933515            |                          | 0.02     | <10      | 16.95    | 1065     | <1       | 0.01     | 1590     | 60       | 2        | <0.01    | <5       | 15       | 68       | <20      | 0.05 |
| W933516            |                          | 0.14     | <10      | 12.95    | 1115     | <1       | 0.01     | 1185     | 70       | <2       | 0.01     | <5       | 18       | 104      | <20      | 0.07 |
| W933517            |                          | 2.10     | 30       | 1.72     | 584      | <1       | 4.31     | 61       | 1040     | 61       | 0.87     | <5       | 8        | 831      | <20      | 0.19 |
| W933518            |                          | 2.96     | 30       | 1.24     | 456      | <1       | 3.52     | 24       | 970      | 12       | 0.87     | <5       | 7        | 439      | <20      | 0.17 |
| W933519            |                          | 2.75     | 30       | 1.20     | 456      | 1        | 3.48     | 23       | 1040     | 17       | 1.16     | <5       | 7        | 627      | <20      | 0.18 |
| W933520            |                          | 0.19     | <10      | 4.10     | 1285     | <1       | 2.12     | 97       | 410      | <2       | 0.14     | <5       | 40       | 114      | <20      | 0.61 |
| W933521            |                          | 2.53     | 30       | 1.26     | 539      | 22       | 3.79     | 24       | 1070     | 18       | 1.00     | <5       | 7        | 486      | <20      | 0.19 |
| W933522            |                          | 3.14     | 40       | 1.38     | 548      | <1       | 3.80     | 26       | 1160     | 36       | 0.29     | <5       | 9        | 806      | <20      | 0.21 |
| W933523            |                          | 2.92     | 30       | 1.50     | 582      | <1       | 3.83     | 26       | 1180     | 31       | 0.04     | <5       | 8        | 1110     | <20      | 0.22 |
| W933524            |                          | 3.34     | 40       | 1.40     | 577      | 5        | 3.59     | 23       | 1140     | 17       | 0.76     | <5       | 8        | 687      | <20      | 0.20 |
| W933525            |                          | 2.31     | 30       | 1.08     | 448      | 522      | 4.06     | 19       | 880      | 99       | 0.77     | <5       | 6        | 1620     | 20       | 0.14 |
| W933526            |                          | 3.10     | 40       | 1.69     | 507      | <1       | 3.71     | 24       | 1130     | 18       | 0.13     | <5       | 8        | 7430     | 40       | 0.19 |
| W933527            |                          | 2.96     | 50       | 1.91     | 546      | <1       | 3.71     | 23       | 1210     | 78       | 0.08     | <5       | 9        | 718      | <20      | 0.18 |
| W933528            |                          | 2.89     | 40       | 1.64     | 510      | <1       | 3.87     | 22       | 1190     | 84       | 0.20     | <5       | 9        | 876      | <20      | 0.19 |
| W933529            |                          | 2.98     | 40       | 1.40     | 565      | 5        | 3.75     | 23       | 1190     | 23       | 0.35     | <5       | 8        | 580      | <20      | 0.19 |
| W933530            |                          | 0.05     | 20       | 0.02     | 34       | <1       | 0.02     | 2        | 70       | 2        | <0.01    | <5       | 1        | 26       | <20      | 0.03 |
| W933531            |                          | 2.55     | 30       | 1.25     | 577      | 2        | 3.46     | 19       | 1090     | 33       | 0.77     | <5       | 7        | 625      | <20      | 0.17 |
| W933532            |                          | 2.57     | 40       | 1.52     | 519      | <1       | 3.97     | 22       | 1130     | 157      | 0.22     | <5       | 8        | 691      | <20      | 0.17 |
| W933533            |                          | 2.20     | 40       | 1.61     | 533      | <1       | 3.87     | 21       | 1090     | 128      | 0.41     | <5       | 8        | 625      | <20      | 0.16 |
| W933534            |                          | 2.75     | 40       | 1.48     | 534      | <1       | 4.00     | 21       | 1170     | 129      | 0.18     | <5       | 8        | 839      | <20      | 0.19 |
| W933535            |                          | 3.10     | 30       | 1.43     | 586      | <1       | 3.69     | 23       | 1190     | 33       | 0.36     | <5       | 8        | 620      | <20      | 0.18 |
| W933536            |                          | 3.23     | 40       | 1.37     | 560      | <1       | 3.64     | 22       | 1180     | 21       | 0.62     | <5       | 8        | 666      | <20      | 0.20 |
| W933537            |                          | 3.32     | 40       | 1.40     | 602      | 2        | 3.45     | 23       | 1210     | 17       | 0.69     | <5       | 8        | 496      | <20      | 0.21 |
| W933538            |                          | 3.03     | 40       | 1.77     | 608      | 19       | 2.91     | 45       | 1030     | 503      | 0.77     | <5       | 8        | 433      | <20      | 0.18 |
| W933539            |                          | 2.72     | 40       | 1.40     | 587      | <1       | 3.95     | 22       | 1150     | 84       | 0.21     | <5       | 8        | 858      | <20      | 0.20 |
| W933540            |                          | 0.20     | <10      | 4.44     | 1405     | <1       | 2.31     | 101      | 450      | <2       | 0.16     | <5       | 44       | 129      | <20      | 0.68 |





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W933501            |                                   | <10      | <10      | 107      | <10      | 75       |
| W933502            |                                   | <10      | <10      | 86       | <10      | 52       |
| W933503            |                                   | <10      | <10      | 85       | <10      | 53       |
| W933504            |                                   | <10      | <10      | 99       | <10      | 66       |
| W933505            |                                   | <10      | <10      | 113      | <10      | 70       |
| W933506            |                                   | <10      | <10      | 101      | <10      | 71       |
| W933507            |                                   | <10      | <10      | 128      | <10      | 80       |
| W933508            |                                   | <10      | <10      | 71       | <10      | 63       |
| W933509            |                                   | <10      | <10      | 55       | <10      | 58       |
| W933510            |                                   | <10      | <10      | 4        | <10      | 2        |
| W933511            |                                   | <10      | <10      | 122      | <10      | 59       |
| W933512            |                                   | <10      | <10      | 99       | <10      | 57       |
| W933513            |                                   | <10      | <10      | 88       | <10      | 54       |
| W933514            |                                   | <10      | <10      | 95       | <10      | 52       |
| W933515            |                                   | <10      | <10      | 86       | <10      | 52       |
| W933516            |                                   | <10      | <10      | 111      | <10      | 89       |
| W933517            |                                   | <10      | <10      | 73       | <10      | 57       |
| W933518            |                                   | <10      | <10      | 68       | 10       | 45       |
| W933519            |                                   | <10      | <10      | 75       | <10      | 49       |
| W933520            |                                   | <10      | <10      | 280      | <10      | 81       |
| W933521            |                                   | <10      | <10      | 77       | <10      | 48       |
| W933522            |                                   | <10      | <10      | 75       | <10      | 65       |
| W933523            |                                   | <10      | <10      | 74       | <10      | 67       |
| W933524            |                                   | <10      | <10      | 75       | <10      | 58       |
| W933525            |                                   | <10      | <10      | 60       | <10      | 38       |
| W933526            |                                   | <10      | <10      | 66       | <10      | 72       |
| W933527            |                                   | <10      | <10      | 72       | <10      | 79       |
| W933528            |                                   | <10      | <10      | 76       | <10      | 74       |
| W933529            |                                   | <10      | <10      | 76       | <10      | 62       |
| W933530            |                                   | <10      | <10      | 6        | <10      | 3        |
| W933531            |                                   | <10      | <10      | 78       | <10      | 46       |
| W933532            |                                   | <10      | <10      | 69       | <10      | 70       |
| W933533            |                                   | <10      | <10      | 66       | <10      | 70       |
| W933534            |                                   | <10      | <10      | 73       | <10      | 71       |
| W933535            |                                   | <10      | <10      | 72       | <10      | 56       |
| W933536            |                                   | <10      | <10      | 75       | <10      | 56       |
| W933537            |                                   | <10      | <10      | 77       | 10       | 53       |
| W933538            |                                   | <10      | <10      | 72       | <10      | 58       |
| W933539            |                                   | <10      | <10      | 72       | <10      | 64       |
| W933540            |                                   | <10      | <10      | 310      | <10      | 88       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**CERTIFICATE OF ANALYSIS TM19302406**

| Sample Description | Method Analyte Units LOD | WEI-21       | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|--------------------|--------------------------|--------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Recvd Wt. kg | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm |
|                    |                          | 0.02         | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 0.01     | 10       |        |
| W933541            |                          | 0.42         | 0.15    | <0.5     | 7.10     | <5       | 2320     | 2.1      | 2        | 2.99     | <0.5     | 12       | 42       | 39       | 2.67     | 20     |
| W933542            |                          | 0.45         | <0.01   | <0.5     | 7.94     | <5       | 3020     | 2.3      | <2       | 2.65     | <0.5     | 13       | 46       | 25       | 2.98     | 20     |
| W933543            |                          | 1.05         | <0.01   | <0.5     | 7.84     | 5        | 2630     | 2.2      | 2        | 2.44     | <0.5     | 12       | 47       | 27       | 2.90     | 20     |
| W933544            |                          | 0.58         | 0.04    | <0.5     | 7.45     | <5       | 2730     | 2.2      | 4        | 2.83     | <0.5     | 16       | 112      | 52       | 3.04     | 20     |
| W933545            |                          | 0.66         | 0.01    | <0.5     | 6.16     | <5       | 2210     | 2.0      | <2       | 2.51     | <0.5     | 14       | 91       | 17       | 2.46     | 10     |
| W933546            |                          | 0.33         | 0.01    | <0.5     | 7.42     | <5       | 3250     | 2.3      | 5        | 2.99     | <0.5     | 11       | 45       | 41       | 2.61     | 20     |
| W933547            |                          | 0.66         | 0.01    | <0.5     | 8.01     | <5       | 2760     | 2.4      | <2       | 2.28     | <0.5     | 12       | 51       | 24       | 2.88     | 20     |
| W933548            |                          | 0.23         | 0.05    | <0.5     | 7.97     | <5       | 1440     | 2.7      | <2       | 2.46     | <0.5     | 11       | 48       | 15       | 2.67     | 20     |
| W933549            |                          | 0.30         | 0.09    | <0.5     | 7.06     | <5       | 1570     | 1.9      | <2       | 2.98     | <0.5     | 20       | 37       | 5        | 3.15     | 20     |
| W933550            |                          | 0.29         | <0.01   | <0.5     | 1.47     | <5       | 30       | <0.5     | <2       | 0.02     | <0.5     | 1        | 12       | 1        | 0.87     | <10    |
| W933551            |                          | 0.78         | <0.01   | <0.5     | 8.06     | <5       | 3150     | 1.9      | 3        | 1.73     | <0.5     | 7        | 47       | 49       | 2.81     | 20     |
| W933552            |                          | 0.61         | 0.02    | <0.5     | 7.99     | <5       | 2690     | 2.3      | <2       | 2.08     | <0.5     | 12       | 44       | 33       | 2.91     | 20     |
| W933553            |                          | 0.23         | 0.02    | <0.5     | 6.63     | <5       | 3640     | 2.1      | 3        | 2.77     | <0.5     | 12       | 30       | 13       | 2.28     | 20     |
| W933554            |                          | 0.73         | 0.03    | <0.5     | 7.94     | <5       | 2400     | 2.6      | 2        | 2.32     | <0.5     | 11       | 46       | 24       | 2.86     | 20     |
| W933555            |                          | 0.40         | 0.06    | <0.5     | 7.26     | <5       | 2750     | 2.5      | <2       | 2.93     | <0.5     | 11       | 43       | 18       | 2.69     | 20     |
| W933556            |                          | 0.24         | 0.18    | <0.5     | 6.03     | <5       | 2390     | 2.0      | <2       | 2.01     | <0.5     | 11       | 38       | 61       | 2.69     | 10     |
| W933557            |                          | 0.75         | 0.01    | <0.5     | 7.49     | <5       | 2570     | 2.3      | <2       | 2.04     | <0.5     | 12       | 44       | 28       | 2.74     | 20     |
| W933558            |                          | 0.38         | 0.14    | <0.5     | 7.19     | <5       | 2490     | 2.5      | 2        | 2.56     | <0.5     | 11       | 40       | 21       | 2.50     | 20     |
| W933559            |                          | 0.24         | 0.03    | <0.5     | 7.56     | <5       | 2480     | 2.8      | <2       | 2.85     | <0.5     | 12       | 45       | 29       | 2.76     | 20     |
| W933560            |                          | 0.06         | 0.56    | <0.5     | 7.07     | 8        | 150      | <0.5     | <2       | 6.95     | <0.5     | 46       | 159      | 157      | 8.33     | 20     |
| W933561            |                          | 0.29         | 0.02    | <0.5     | 7.16     | <5       | 2730     | 2.4      | 6        | 2.81     | <0.5     | 12       | 45       | 30       | 2.74     | 20     |
| W933562            |                          | 0.72         | 0.01    | <0.5     | 7.51     | <5       | 2350     | 2.4      | 4        | 2.51     | <0.5     | 11       | 39       | 22       | 2.72     | 20     |
| W933563            |                          | 1.60         | <0.01   | <0.5     | 7.50     | <5       | 2530     | 2.3      | 3        | 2.76     | <0.5     | 11       | 44       | 24       | 2.75     | 20     |
| W933564            |                          | 0.33         | 0.01    | <0.5     | 7.30     | <5       | 2450     | 2.2      | <2       | 2.58     | <0.5     | 11       | 42       | 42       | 2.71     | 20     |
| W933565            |                          | 0.24         | 0.28    | <0.5     | 7.33     | <5       | 2650     | 2.9      | <2       | 2.67     | <0.5     | 11       | 42       | 24       | 2.76     | 20     |
| W933566            |                          | 0.63         | <0.01   | <0.5     | 7.59     | <5       | 2280     | 2.4      | <2       | 2.26     | <0.5     | 10       | 43       | 30       | 2.73     | 20     |
| W933567            |                          | 0.42         | 0.01    | <0.5     | 7.56     | <5       | 2560     | 2.2      | <2       | 2.37     | <0.5     | 13       | 37       | 31       | 2.68     | 20     |
| W933568            |                          | 0.27         | 0.06    | <0.5     | 7.42     | <5       | 2020     | 2.4      | 3        | 2.90     | <0.5     | 13       | 40       | 10       | 2.89     | 20     |
| W933569            |                          | 0.25         | 0.41    | <0.5     | 7.87     | <5       | 2240     | 2.5      | 2        | 2.96     | <0.5     | 11       | 39       | 52       | 2.61     | 20     |
| W933570            |                          | 0.27         | <0.01   | <0.5     | 1.39     | <5       | 60       | <0.5     | <2       | 0.02     | <0.5     | <1       | 17       | <1       | 0.86     | <10    |
| W933571            |                          | 0.37         | 0.09    | <0.5     | 7.27     | <5       | 2190     | 2.6      | 2        | 2.92     | <0.5     | 11       | 42       | 55       | 2.74     | 20     |
| W933572            |                          | 0.33         | 0.20    | <0.5     | 7.39     | <5       | 1740     | 3.0      | 2        | 2.70     | <0.5     | 12       | 42       | 28       | 2.72     | 20     |
| W933573            |                          | 0.53         | 0.03    | <0.5     | 7.03     | <5       | 2530     | 2.3      | <2       | 3.09     | <0.5     | 12       | 40       | 17       | 2.56     | 20     |
| W933574            |                          | 0.52         | 0.24    | <0.5     | 7.30     | <5       | 1220     | 2.2      | <2       | 3.18     | <0.5     | 14       | 42       | 974      | 2.95     | 20     |
| W933575            |                          | 0.33         | 0.04    | <0.5     | 7.39     | <5       | 1610     | 2.3      | 3        | 1.81     | <0.5     | 13       | 40       | 22       | 2.49     | 20     |
| W933576            |                          | 0.44         | 0.01    | <0.5     | 7.83     | <5       | 2650     | 2.1      | 2        | 1.96     | <0.5     | 11       | 55       | 51       | 3.00     | 20     |
| W933577            |                          | 0.45         | <0.01   | 0.5      | 7.83     | <5       | 2300     | 1.9      | 4        | 1.72     | <0.5     | 8        | 46       | 68       | 3.00     | 20     |
| W933578            |                          | 0.52         | 0.03    | <0.5     | 7.42     | <5       | 2680     | 2.5      | <2       | 2.49     | <0.5     | 11       | 44       | 64       | 2.78     | 20     |
| W933579            |                          | 0.69         | <0.01   | <0.5     | 8.09     | <5       | 3040     | 2.3      | 3        | 1.85     | <0.5     | 11       | 42       | 39       | 2.92     | 20     |
| W933580            |                          | 0.06         | 0.55    | <0.5     | 6.90     | <5       | 150      | <0.5     | <2       | 6.92     | <0.5     | 45       | 154      | 154      | 8.17     | 10     |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19302406**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| W933541            |                          | 2.62     | 30       | 1.46     | 686      | <1       | 3.64     | 19       | 1120     | 20       | 0.50     | <5       | 7        | 800      | <20      | 0.17 |
| W933542            |                          | 2.77     | 40       | 1.48     | 575      | <1       | 3.84     | 21       | 1210     | 40       | 0.30     | <5       | 9        | 881      | <20      | 0.21 |
| W933543            |                          | 2.76     | 40       | 1.41     | 535      | <1       | 3.86     | 22       | 1190     | 44       | 0.26     | <5       | 8        | 1010     | <20      | 0.20 |
| W933544            |                          | 2.13     | 40       | 2.23     | 639      | <1       | 4.00     | 116      | 1080     | 29       | 0.96     | <5       | 8        | 704      | <20      | 0.19 |
| W933545            |                          | 2.46     | 30       | 1.81     | 539      | <1       | 2.50     | 84       | 880      | 15       | 0.38     | <5       | 7        | 731      | <20      | 0.16 |
| W933546            |                          | 2.91     | 30       | 1.35     | 610      | <1       | 3.71     | 19       | 1120     | 23       | 0.52     | <5       | 8        | 1970     | <20      | 0.20 |
| W933547            |                          | 3.07     | 40       | 1.46     | 585      | <1       | 3.63     | 23       | 1160     | 38       | 0.21     | <5       | 8        | 1055     | <20      | 0.21 |
| W933548            |                          | 3.01     | 40       | 1.40     | 536      | <1       | 3.40     | 22       | 1190     | 11       | 0.53     | <5       | 8        | 823      | <20      | 0.21 |
| W933549            |                          | 2.52     | 40       | 1.63     | 697      | 21       | 3.60     | 21       | 1080     | 14       | 1.15     | <5       | 8        | 1490     | <20      | 0.16 |
| W933550            |                          | 0.05     | 20       | 0.02     | 32       | <1       | 0.02     | 3        | 70       | 3        | 0.01     | <5       | 1        | 22       | <20      | 0.04 |
| W933551            |                          | 3.27     | 40       | 1.42     | 467      | <1       | 3.84     | 21       | 1170     | 30       | 0.16     | <5       | 8        | 658      | <20      | 0.19 |
| W933552            |                          | 2.95     | 40       | 1.56     | 544      | <1       | 3.84     | 20       | 1130     | 22       | 0.40     | <5       | 8        | 885      | <20      | 0.17 |
| W933553            |                          | 2.46     | 30       | 1.18     | 616      | 1        | 3.65     | 11       | 880      | 13       | 0.63     | <5       | 6        | 4190     | 20       | 0.14 |
| W933554            |                          | 2.86     | 40       | 1.46     | 578      | 1        | 3.66     | 21       | 1160     | 186      | 0.19     | <5       | 8        | 741      | <20      | 0.21 |
| W933555            |                          | 3.10     | 30       | 1.35     | 615      | 90       | 3.27     | 21       | 1140     | 28       | 0.51     | <5       | 7        | 883      | <20      | 0.20 |
| W933556            |                          | 2.34     | 30       | 1.09     | 478      | <1       | 2.51     | 17       | 880      | 37       | 0.62     | <5       | 6        | 681      | <20      | 0.16 |
| W933557            |                          | 2.80     | 40       | 1.36     | 538      | <1       | 3.39     | 21       | 1110     | 26       | 0.09     | <5       | 8        | 2000     | <20      | 0.20 |
| W933558            |                          | 2.52     | 30       | 1.23     | 552      | 6        | 3.33     | 18       | 1030     | 31       | 0.65     | <5       | 7        | 762      | <20      | 0.17 |
| W933559            |                          | 2.94     | 40       | 1.36     | 574      | <1       | 2.99     | 21       | 1060     | 25       | 0.69     | <5       | 8        | 1095     | <20      | 0.19 |
| W933560            |                          | 0.20     | <10      | 4.28     | 1360     | <1       | 2.25     | 97       | 430      | 3        | 0.15     | <5       | 43       | 125      | <20      | 0.65 |
| W933561            |                          | 2.65     | 30       | 1.29     | 619      | <1       | 3.69     | 21       | 1100     | 31       | 0.43     | <5       | 7        | 791      | <20      | 0.18 |
| W933562            |                          | 2.57     | 30       | 1.37     | 658      | <1       | 4.16     | 19       | 1070     | 80       | 0.34     | <5       | 7        | 811      | <20      | 0.18 |
| W933563            |                          | 2.63     | 30       | 1.36     | 521      | 1        | 3.80     | 24       | 1100     | 100      | 0.22     | 5        | 8        | 903      | <20      | 0.18 |
| W933564            |                          | 2.22     | 30       | 1.33     | 617      | 1        | 4.07     | 18       | 1070     | 29       | 0.33     | <5       | 7        | 713      | <20      | 0.17 |
| W933565            |                          | 3.08     | 30       | 1.34     | 600      | <1       | 2.75     | 20       | 1020     | 24       | 0.52     | 6        | 8        | 703      | <20      | 0.20 |
| W933566            |                          | 2.27     | 40       | 1.41     | 544      | 1        | 4.24     | 18       | 1120     | 90       | 0.23     | <5       | 8        | 841      | <20      | 0.18 |
| W933567            |                          | 0.86     | 40       | 1.39     | 638      | 6        | 5.45     | 18       | 1080     | 23       | 0.76     | 6        | 7        | 693      | <20      | 0.15 |
| W933568            |                          | 1.51     | 40       | 1.35     | 607      | 1        | 4.83     | 18       | 1070     | 19       | 1.16     | <5       | 8        | >10000   | 40       | 0.16 |
| W933569            |                          | 1.35     | 40       | 1.33     | 587      | 28       | 5.28     | 18       | 1090     | 11       | 1.26     | <5       | 8        | 707      | <20      | 0.16 |
| W933570            |                          | 0.15     | 20       | 0.02     | 35       | <1       | 0.03     | <1       | 60       | <2       | <0.01    | <5       | 1        | 58       | <20      | 0.04 |
| W933571            |                          | 1.54     | 30       | 1.31     | 648      | 1        | 4.78     | 20       | 1100     | 10       | 1.14     | <5       | 7        | 567      | <20      | 0.16 |
| W933572            |                          | 2.24     | 40       | 1.33     | 577      | 1        | 3.51     | 20       | 1180     | 12       | 1.15     | <5       | 8        | 1130     | <20      | 0.18 |
| W933573            |                          | 1.60     | 30       | 1.39     | 648      | 1        | 4.67     | 18       | 1070     | 14       | 0.74     | <5       | 7        | 647      | <20      | 0.16 |
| W933574            |                          | 1.48     | 30       | 1.48     | 657      | 12       | 4.82     | 21       | 1100     | 14       | 1.51     | 5        | 8        | 495      | <20      | 0.15 |
| W933575            |                          | 1.80     | 40       | 1.09     | 375      | 33       | 4.36     | 23       | 1040     | 13       | 0.87     | <5       | 7        | 408      | <20      | 0.13 |
| W933576            |                          | 2.43     | 40       | 1.69     | 567      | 54       | 4.29     | 26       | 1220     | 21       | 0.49     | <5       | 9        | 663      | <20      | 0.18 |
| W933577            |                          | 2.92     | 40       | 1.73     | 479      | 1        | 3.88     | 23       | 1150     | 94       | 0.06     | <5       | 8        | 633      | <20      | 0.17 |
| W933578            |                          | 3.07     | 30       | 1.42     | 575      | <1       | 3.34     | 20       | 1130     | 82       | 0.35     | 6        | 7        | 541      | <20      | 0.19 |
| W933579            |                          | 3.07     | 40       | 1.78     | 552      | <1       | 3.78     | 20       | 1160     | 59       | 0.10     | <5       | 9        | 800      | <20      | 0.17 |
| W933580            |                          | 0.19     | <10      | 4.25     | 1340     | 1        | 2.20     | 96       | 420      | 5        | 0.15     | <5       | 42       | 120      | <20      | 0.64 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19302406**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W933541            |                                   | <10      | <10      | 67       | <10      | 47       |
| W933542            |                                   | <10      | <10      | 73       | <10      | 67       |
| W933543            |                                   | <10      | <10      | 71       | <10      | 67       |
| W933544            |                                   | <10      | <10      | 69       | <10      | 52       |
| W933545            |                                   | <10      | <10      | 61       | <10      | 45       |
| W933546            |                                   | <10      | <10      | 69       | <10      | 49       |
| W933547            |                                   | <10      | <10      | 73       | <10      | 65       |
| W933548            |                                   | <10      | <10      | 88       | 10       | 58       |
| W933549            |                                   | <10      | <10      | 60       | <10      | 44       |
| W933550            |                                   | <10      | <10      | 6        | <10      | 3        |
| W933551            |                                   | <10      | <10      | 68       | <10      | 71       |
| W933552            |                                   | <10      | <10      | 69       | <10      | 71       |
| W933553            |                                   | <10      | <10      | 56       | <10      | 34       |
| W933554            |                                   | <10      | <10      | 74       | <10      | 62       |
| W933555            |                                   | <10      | <10      | 75       | <10      | 50       |
| W933556            |                                   | <10      | <10      | 58       | 10       | 45       |
| W933557            |                                   | <10      | <10      | 69       | <10      | 60       |
| W933558            |                                   | <10      | <10      | 70       | <10      | 51       |
| W933559            |                                   | <10      | <10      | 92       | <10      | 62       |
| W933560            |                                   | <10      | <10      | 298      | <10      | 84       |
| W933561            |                                   | <10      | <10      | 71       | <10      | 50       |
| W933562            |                                   | <10      | <10      | 69       | <10      | 58       |
| W933563            |                                   | <10      | <10      | 69       | <10      | 79       |
| W933564            |                                   | <10      | <10      | 67       | <10      | 57       |
| W933565            |                                   | <10      | <10      | 70       | 20       | 56       |
| W933566            |                                   | <10      | <10      | 70       | <10      | 71       |
| W933567            |                                   | <10      | <10      | 63       | <10      | 60       |
| W933568            |                                   | <10      | <10      | 75       | <10      | 43       |
| W933569            |                                   | <10      | <10      | 65       | <10      | 46       |
| W933570            |                                   | <10      | <10      | 8        | <10      | <2       |
| W933571            |                                   | <10      | <10      | 72       | <10      | 46       |
| W933572            |                                   | <10      | <10      | 78       | 10       | 55       |
| W933573            |                                   | <10      | <10      | 67       | <10      | 37       |
| W933574            |                                   | <10      | <10      | 65       | <10      | 43       |
| W933575            |                                   | <10      | <10      | 70       | <10      | 45       |
| W933576            |                                   | <10      | <10      | 74       | <10      | 81       |
| W933577            |                                   | <10      | <10      | 69       | <10      | 91       |
| W933578            |                                   | <10      | <10      | 77       | 10       | 63       |
| W933579            |                                   | <10      | <10      | 72       | <10      | 92       |
| W933580            |                                   | <10      | <10      | 292      | <10      | 85       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19302406**

| Sample Description | Method  | WEI-21    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|---------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    | Analyte | Recvd Wt. | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga       |
| Units              |         | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      |
| LOD                |         | 0.02      | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       |
| W933581            |         | 0.37      | 0.10    | <0.5     | 7.26     | <5       | 2440     | 2.2      | 4        | 2.64     | <0.5     | 11       | 40       | 30       | 2.65     | 20       |
| W933582            |         | 0.45      | 0.05    | 0.6      | 7.44     | <5       | 2570     | 2.2      | 4        | 2.74     | <0.5     | 12       | 43       | 42       | 2.85     | 20       |
| W933583            |         | 0.38      | 0.01    | <0.5     | 7.37     | <5       | 2420     | 2.3      | <2       | 2.67     | <0.5     | 11       | 51       | 34       | 2.93     | 20       |
| W933584            |         | 0.26      | 0.03    | <0.5     | 7.15     | <5       | 2490     | 2.4      | 2        | 2.90     | <0.5     | 12       | 42       | 34       | 2.73     | 20       |
| W933585            |         | 0.31      | 0.21    | <0.5     | 7.20     | <5       | 2470     | 2.0      | 3        | 2.88     | <0.5     | 12       | 39       | 36       | 2.85     | 20       |
| W933586            |         | 0.19      | 0.52    | 0.5      | 7.75     | <5       | 2250     | 3.0      | 4        | 2.61     | <0.5     | 12       | 40       | 42       | 2.95     | 20       |
| W933587            |         | 0.47      | <0.01   | <0.5     | 8.11     | <5       | 2750     | 2.3      | <2       | 1.93     | <0.5     | 10       | 44       | 21       | 2.98     | 20       |
| W933588            |         | 0.31      | 0.03    | <0.5     | 7.56     | <5       | 2540     | 2.4      | <2       | 2.98     | <0.5     | 17       | 132      | 62       | 3.07     | 20       |
| W933589            |         | 0.32      | 0.17    | <0.5     | 6.97     | <5       | 2080     | 2.4      | 3        | 2.92     | <0.5     | 12       | 40       | 51       | 2.65     | 20       |
| W933590            |         | 0.32      | <0.01   | <0.5     | 0.76     | <5       | 20       | <0.5     | <2       | 0.02     | <0.5     | <1       | 15       | <1       | 0.70     | <10      |
| W933591            |         | 0.66      | <0.01   | <0.5     | 7.81     | <5       | 2750     | 2.3      | 2        | 2.45     | <0.5     | 12       | 46       | 28       | 2.93     | 20       |
| W933592            |         | 0.41      | 0.02    | 0.5      | 6.73     | <5       | 2370     | 2.0      | 2        | 2.60     | <0.5     | 9        | 39       | 56       | 2.41     | 20       |
| W933593            |         | 0.28      | <0.01   | <0.5     | 7.98     | <5       | 2840     | 2.3      | 2        | 2.01     | <0.5     | 10       | 43       | 53       | 2.89     | 20       |
| W933594            |         | 0.17      | 0.33    | <0.5     | 7.21     | <5       | 2370     | 2.3      | 3        | 2.64     | <0.5     | 11       | 38       | 21       | 2.64     | 20       |
| W933595            |         | 0.43      | 0.22    | <0.5     | 7.02     | <5       | 2770     | 2.2      | 3        | 2.45     | <0.5     | 12       | 40       | 16       | 2.68     | 20       |
| W933596            |         | 0.25      | 0.03    | <0.5     | 7.56     | <5       | 1800     | 2.4      | 2        | 2.70     | <0.5     | 11       | 43       | 33       | 2.73     | 20       |
| W933597            |         | 0.31      | 0.26    | 0.5      | 7.09     | <5       | 1120     | 2.4      | <2       | 2.57     | <0.5     | 15       | 101      | 14       | 2.59     | 20       |
| W933598            |         | 0.43      | 0.38    | 0.6      | 6.81     | <5       | 2200     | 2.5      | 3        | 2.36     | <0.5     | 9        | 37       | 36       | 2.38     | 20       |
| W933599            |         | 0.41      | 0.28    | 1.2      | 7.16     | <5       | 1910     | 2.1      | 6        | 2.57     | <0.5     | 11       | 68       | 128      | 2.65     | 20       |
| W933600            |         | 0.06      | 3.58    | <0.5     | 5.24     | 2070     | 600      | 0.8      | 2        | 4.71     | <0.5     | 29       | 129      | 167      | 12.80    | 20       |
| W933601            |         | 0.35      | 0.11    | <0.5     | 7.71     | <5       | 2000     | 2.5      | <2       | 2.50     | <0.5     | 9        | 39       | 112      | 2.49     | 20       |
| W933602            |         | 0.22      | 0.04    | <0.5     | 8.04     | <5       | 1860     | 2.5      | <2       | 2.65     | <0.5     | 10       | 40       | 155      | 2.59     | 20       |
| W933603            |         | 0.33      | 0.12    | <0.5     | 7.71     | <5       | 1590     | 2.2      | <2       | 2.31     | <0.5     | 10       | 32       | 56       | 2.18     | 20       |
| W933604            |         | 0.24      | 0.01    | <0.5     | 8.19     | <5       | 2400     | 2.7      | <2       | 2.65     | <0.5     | 11       | 44       | 46       | 2.49     | 20       |
| W933605            |         | 0.23      | 0.07    | 0.5      | 7.32     | <5       | 1260     | 2.2      | 3        | 2.38     | <0.5     | 12       | 37       | 50       | 2.54     | 20       |
| W933606            |         | 0.19      | 0.41    | 0.5      | 6.42     | <5       | 490      | 2.3      | 4        | 2.02     | <0.5     | 11       | 44       | 25       | 2.51     | 20       |
| W933607            |         | 0.43      | 0.57    | <0.5     | 7.86     | <5       | 1850     | 2.5      | 2        | 2.49     | <0.5     | 10       | 35       | 81       | 2.29     | 20       |
| W933608            |         | 0.32      | 0.40    | 0.6      | 7.88     | <5       | 2030     | 2.5      | <2       | 2.52     | <0.5     | 11       | 37       | 18       | 2.28     | 20       |
| W933609            |         | 0.36      | 0.04    | <0.5     | 7.93     | <5       | 1680     | 2.5      | <2       | 2.34     | <0.5     | 10       | 39       | 82       | 2.48     | 20       |
| W933610            |         | 0.34      | <0.01   | <0.5     | 1.28     | <5       | 20       | <0.5     | <2       | 0.02     | <0.5     | <1       | 12       | <1       | 0.88     | <10      |
| W933611            |         | 0.57      | 0.16    | <0.5     | 7.74     | <5       | 1660     | 2.3      | 2        | 2.60     | <0.5     | 17       | 42       | 59       | 2.68     | 20       |
| W933612            |         | 0.41      | <0.01   | <0.5     | 7.76     | <5       | 1980     | 1.9      | <2       | 2.09     | <0.5     | 8        | 43       | 37       | 2.51     | 20       |
| W933613            |         | 0.28      | 0.01    | <0.5     | 7.04     | <5       | 2710     | 2.0      | <2       | 2.43     | <0.5     | 9        | 38       | 35       | 2.49     | 20       |
| W933614            |         | 0.39      | 0.25    | 1.3      | 6.98     | <5       | 1610     | 2.2      | 5        | 2.48     | <0.5     | 10       | 40       | 79       | 2.52     | 20       |
| W933615            |         | 0.33      | <0.01   | <0.5     | 7.46     | <5       | 2300     | 2.5      | <2       | 2.52     | <0.5     | 12       | 49       | 111      | 2.83     | 20       |
| W933616            |         | 0.29      | 0.17    | <0.5     | 7.10     | <5       | 2260     | 2.5      | <2       | 2.73     | <0.5     | 11       | 41       | 40       | 2.59     | 20       |
| W933617            |         | 0.36      | 0.03    | <0.5     | 6.96     | <5       | 2240     | 2.5      | 2        | 2.51     | <0.5     | 11       | 42       | 38       | 2.73     | 20       |
| W933618            |         | 0.40      | 0.02    | <0.5     | 7.28     | <5       | 1990     | 2.3      | 2        | 2.70     | <0.5     | 11       | 46       | 37       | 2.72     | 20       |
| W933619            |         | 0.41      | 0.03    | <0.5     | 7.06     | <5       | 2210     | 2.4      | <2       | 2.53     | <0.5     | 11       | 41       | 54       | 2.47     | 20       |
| W933620            |         | 0.06      | 0.53    | <0.5     | 7.14     | <5       | 160      | <0.5     | <2       | 7.22     | <0.5     | 46       | 159      | 161      | 8.45     | 20       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19302406**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| W933581            |                          | 1.51     | 30       | 1.31     | 576      | <1       | 4.47     | 19       | 1110     | 22       | 0.76     | <5       | 7        | 616      | <20      | 0.17 |
| W933582            |                          | 1.73     | 30       | 1.40     | 629      | <1       | 4.83     | 19       | 1150     | 63       | 0.70     | 5        | 8        | 755      | <20      | 0.16 |
| W933583            |                          | 2.62     | 30       | 1.37     | 617      | <1       | 4.17     | 22       | 1120     | 26       | 0.42     | <5       | 8        | 641      | <20      | 0.18 |
| W933584            |                          | 2.47     | 30       | 1.26     | 574      | 2        | 3.91     | 20       | 1090     | 26       | 0.82     | 5        | 7        | 521      | <20      | 0.18 |
| W933585            |                          | 1.92     | 30       | 1.42     | 653      | 11       | 4.23     | 20       | 1130     | 33       | 0.98     | <5       | 8        | 651      | <20      | 0.15 |
| W933586            |                          | 2.89     | 30       | 1.29     | 563      | 4        | 3.28     | 22       | 1120     | 37       | 1.02     | <5       | 8        | 499      | <20      | 0.17 |
| W933587            |                          | 3.00     | 40       | 1.43     | 479      | <1       | 3.84     | 25       | 1170     | 26       | 0.11     | <5       | 9        | 959      | <20      | 0.20 |
| W933588            |                          | 2.17     | 40       | 2.39     | 636      | <1       | 3.95     | 129      | 1070     | 19       | 0.58     | <5       | 9        | 636      | <20      | 0.18 |
| W933589            |                          | 2.19     | 30       | 1.30     | 600      | <1       | 3.82     | 19       | 1130     | 21       | 0.87     | <5       | 7        | 549      | <20      | 0.17 |
| W933590            |                          | 0.05     | 10       | 0.01     | 31       | <1       | 0.02     | <1       | 40       | <2       | <0.01    | <5       | <1       | 22       | <20      | 0.03 |
| W933591            |                          | 2.87     | 40       | 1.46     | 567      | <1       | 3.81     | 20       | 1150     | 26       | 0.08     | <5       | 8        | 1165     | <20      | 0.22 |
| W933592            |                          | 2.35     | 30       | 1.18     | 556      | <1       | 3.71     | 16       | 1020     | 57       | 0.42     | <5       | 6        | 581      | <20      | 0.17 |
| W933593            |                          | 3.03     | 40       | 1.48     | 563      | 1        | 3.68     | 22       | 1180     | 45       | 0.10     | 7        | 8        | 743      | <20      | 0.20 |
| W933594            |                          | 2.37     | 30       | 1.24     | 549      | <1       | 3.53     | 19       | 1000     | 29       | 0.78     | <5       | 7        | 531      | <20      | 0.17 |
| W933595            |                          | 2.31     | 30       | 1.31     | 559      | <1       | 3.80     | 19       | 1040     | 19       | 0.82     | 7        | 7        | 573      | <20      | 0.16 |
| W933596            |                          | 2.89     | 40       | 1.37     | 575      | 1        | 3.55     | 21       | 1130     | 16       | 0.50     | <5       | 8        | 527      | <20      | 0.19 |
| W933597            |                          | 2.68     | 30       | 1.84     | 518      | 9        | 3.49     | 92       | 1040     | 26       | 1.13     | 5        | 7        | 423      | <20      | 0.17 |
| W933598            |                          | 2.66     | 30       | 1.18     | 493      | <1       | 2.64     | 16       | 930      | 50       | 0.87     | <5       | 7        | 336      | <20      | 0.16 |
| W933599            |                          | 1.64     | 30       | 1.40     | 537      | 1        | 4.38     | 39       | 930      | 60       | 1.04     | 6        | 7        | 530      | <20      | 0.15 |
| W933600            |                          | 0.46     | 20       | 2.67     | 5030     | 2        | 1.21     | 102      | 2460     | 10       | 2.56     | 7        | 13       | 256      | <20      | 0.60 |
| W933601            |                          | 1.25     | 30       | 1.14     | 548      | 2        | 5.11     | 17       | 970      | 12       | 0.94     | <5       | 7        | 704      | <20      | 0.17 |
| W933602            |                          | 1.07     | 30       | 1.21     | 571      | <1       | 5.55     | 17       | 1060     | 10       | 0.90     | <5       | 7        | 626      | <20      | 0.17 |
| W933603            |                          | 0.92     | 30       | 0.98     | 467      | <1       | 5.60     | 14       | 790      | 27       | 1.18     | <5       | 6        | 524      | <20      | 0.14 |
| W933604            |                          | 1.02     | 40       | 1.30     | 609      | <1       | 5.74     | 20       | 1080     | 10       | 0.61     | <5       | 8        | 667      | <20      | 0.20 |
| W933605            |                          | 1.09     | 30       | 1.04     | 436      | <1       | 5.02     | 20       | 940      | 13       | 1.73     | <5       | 6        | 393      | <20      | 0.13 |
| W933606            |                          | 1.44     | 30       | 0.98     | 411      | 23       | 3.57     | 20       | 760      | 20       | 1.65     | <5       | 6        | 340      | <20      | 0.11 |
| W933607            |                          | 0.99     | 30       | 1.07     | 497      | 1        | 5.58     | 15       | 900      | 14       | 1.29     | <5       | 6        | 797      | <20      | 0.14 |
| W933608            |                          | 1.31     | 30       | 1.11     | 510      | 1        | 5.35     | 16       | 910      | 13       | 1.16     | <5       | 6        | 500      | <20      | 0.16 |
| W933609            |                          | 0.93     | 30       | 1.15     | 537      | 1        | 5.53     | 18       | 1010     | 8        | 0.99     | <5       | 7        | 521      | <20      | 0.17 |
| W933610            |                          | 0.04     | 20       | 0.01     | 33       | <1       | 0.02     | <1       | 70       | <2       | <0.01    | <5       | 1        | 25       | <20      | 0.03 |
| W933611            |                          | 1.13     | 30       | 1.17     | 536      | 3        | 5.48     | 16       | 920      | 13       | 1.58     | 5        | 7        | 639      | <20      | 0.15 |
| W933612            |                          | 2.89     | 40       | 1.21     | 498      | 1        | 3.91     | 21       | 1000     | 17       | 0.22     | <5       | 7        | 581      | <20      | 0.17 |
| W933613            |                          | 2.21     | 30       | 1.15     | 553      | 6        | 3.94     | 15       | 930      | 22       | 0.62     | <5       | 7        | 592      | <20      | 0.15 |
| W933614            |                          | 1.47     | 40       | 1.15     | 521      | 1        | 4.24     | 16       | 940      | 55       | 1.16     | 6        | 7        | 548      | <20      | 0.14 |
| W933615            |                          | 2.05     | 30       | 1.37     | 592      | 1        | 4.22     | 23       | 1080     | 27       | 0.56     | <5       | 8        | 751      | <20      | 0.17 |
| W933616            |                          | 2.28     | 30       | 1.30     | 555      | 1        | 3.65     | 18       | 1060     | 39       | 0.76     | <5       | 7        | 624      | <20      | 0.16 |
| W933617            |                          | 2.09     | 30       | 1.25     | 547      | 1        | 3.88     | 20       | 1030     | 19       | 0.81     | <5       | 7        | 721      | <20      | 0.16 |
| W933618            |                          | 2.11     | 30       | 1.38     | 603      | <1       | 4.08     | 21       | 1090     | 20       | 0.63     | <5       | 8        | 576      | <20      | 0.16 |
| W933619            |                          | 2.16     | 30       | 1.20     | 535      | 7        | 3.78     | 18       | 1020     | 26       | 0.82     | <5       | 7        | 627      | <20      | 0.17 |
| W933620            |                          | 0.20     | <10      | 4.40     | 1385     | 1        | 2.28     | 100      | 440      | 4        | 0.16     | 6        | 43       | 127      | <20      | 0.67 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 VANCOUVER BC V6C 2V6

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| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W933581            |                                   | <10      | <10      | 61       | <10      | 51       |
| W933582            |                                   | <10      | <10      | 67       | <10      | 58       |
| W933583            |                                   | <10      | <10      | 73       | <10      | 59       |
| W933584            |                                   | <10      | <10      | 76       | 10       | 52       |
| W933585            |                                   | <10      | <10      | 64       | <10      | 59       |
| W933586            |                                   | <10      | <10      | 84       | <10      | 62       |
| W933587            |                                   | <10      | <10      | 73       | <10      | 63       |
| W933588            |                                   | <10      | <10      | 77       | <10      | 60       |
| W933589            |                                   | <10      | <10      | 71       | <10      | 55       |
| W933590            |                                   | <10      | <10      | 5        | <10      | <2       |
| W933591            |                                   | <10      | <10      | 71       | <10      | 67       |
| W933592            |                                   | <10      | <10      | 59       | 10       | 48       |
| W933593            |                                   | <10      | <10      | 68       | <10      | 73       |
| W933594            |                                   | <10      | <10      | 70       | 10       | 50       |
| W933595            |                                   | <10      | <10      | 66       | <10      | 51       |
| W933596            |                                   | <10      | <10      | 70       | <10      | 54       |
| W933597            |                                   | <10      | <10      | 70       | <10      | 46       |
| W933598            |                                   | 10       | <10      | 71       | <10      | 49       |
| W933599            |                                   | <10      | <10      | 60       | <10      | 45       |
| W933600            |                                   | <10      | <10      | 140      | <10      | 148      |
| W933601            |                                   | <10      | <10      | 60       | <10      | 39       |
| W933602            |                                   | <10      | <10      | 56       | <10      | 41       |
| W933603            |                                   | <10      | <10      | 49       | <10      | 31       |
| W933604            |                                   | <10      | <10      | 66       | <10      | 42       |
| W933605            |                                   | <10      | <10      | 55       | <10      | 36       |
| W933606            |                                   | <10      | <10      | 60       | <10      | 40       |
| W933607            |                                   | <10      | <10      | 56       | <10      | 36       |
| W933608            |                                   | <10      | <10      | 68       | <10      | 40       |
| W933609            |                                   | <10      | <10      | 67       | <10      | 44       |
| W933610            |                                   | <10      | <10      | 4        | <10      | <2       |
| W933611            |                                   | <10      | <10      | 62       | <10      | 35       |
| W933612            |                                   | <10      | <10      | 56       | <10      | 47       |
| W933613            |                                   | <10      | <10      | 58       | <10      | 39       |
| W933614            |                                   | <10      | <10      | 59       | <10      | 44       |
| W933615            |                                   | <10      | <10      | 71       | <10      | 59       |
| W933616            |                                   | <10      | <10      | 73       | <10      | 46       |
| W933617            |                                   | <10      | <10      | 69       | <10      | 49       |
| W933618            |                                   | <10      | <10      | 69       | <10      | 48       |
| W933619            |                                   | <10      | <10      | 65       | <10      | 47       |
| W933620            |                                   | <10      | <10      | 302      | <10      | 88       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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| Sample Description | Method Analyte Units LOD | WEI-21       | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|--------------------|--------------------------|--------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Recvd Wt. kg | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm |
|                    |                          | 0.02         | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10     |
| W933621            |                          | 0.41         | <0.01   | <0.5     | 8.04     | <5       | 2500     | 2.4      | <2       | 2.29     | <0.5     | 11       | 50       | 46       | 2.72     | 20     |
| W933622            |                          | 0.26         | 0.19    | 0.9      | 7.16     | <5       | 2040     | 2.1      | 3        | 2.40     | <0.5     | 9        | 35       | 43       | 2.29     | 20     |
| W933623            |                          | 0.36         | <0.01   | <0.5     | 8.17     | <5       | 2660     | 2.6      | 2        | 1.49     | <0.5     | 9        | 40       | 145      | 2.60     | 20     |
| W933624            |                          | 0.13         | <0.01   | <0.5     | 7.30     | <5       | 1920     | 1.8      | 2        | 1.95     | <0.5     | 9        | 38       | 23       | 2.50     | 20     |
| W933625            |                          | 0.38         | 0.07    | <0.5     | 7.22     | <5       | 1790     | 2.0      | 4        | 2.56     | <0.5     | 10       | 36       | 10       | 2.27     | 20     |
| W933626            |                          | 0.29         | 0.20    | <0.5     | 7.20     | <5       | 1400     | 2.1      | 3        | 2.48     | <0.5     | 13       | 79       | 27       | 2.37     | 20     |
| W933627            |                          | 0.38         | 0.07    | <0.5     | 7.89     | <5       | 1530     | 2.4      | 2        | 2.50     | <0.5     | 11       | 37       | 50       | 2.45     | 20     |
| W933628            |                          | 0.60         | 0.06    | 6.2      | 4.90     | <5       | 570      | 2.8      | 3        | 6.34     | <0.5     | 45       | 744      | 62       | 4.82     | 20     |
| W933629            |                          | 0.32         | 0.05    | <0.5     | 4.77     | <5       | 800      | 2.9      | <2       | 6.73     | 0.5      | 32       | 519      | 92       | 4.10     | 20     |
| W933630            |                          | 0.35         | <0.01   | <0.5     | 1.14     | <5       | 20       | <0.5     | <2       | 0.04     | <0.5     | 1        | 19       | <1       | 0.79     | <10    |
| W933631            |                          | 0.31         | 0.01    | 0.7      | 7.11     | <5       | 2150     | 2.4      | 2        | 3.32     | <0.5     | 21       | 99       | 175      | 4.17     | 20     |
| W933632            |                          | 0.50         | <0.01   | <0.5     | 6.79     | <5       | 2390     | 2.1      | 2        | 3.64     | <0.5     | 19       | 94       | 219      | 3.87     | 20     |
| W933633            |                          | 0.24         | 0.01    | 0.7      | 6.32     | <5       | 1280     | 2.1      | 3        | 3.84     | <0.5     | 20       | 86       | 220      | 3.62     | 20     |
| W933634            |                          | 0.55         | 0.03    | 0.6      | 7.27     | <5       | 2030     | 2.5      | 5        | 3.50     | <0.5     | 22       | 108      | 382      | 4.23     | 20     |
| W933635            |                          | 0.83         | 0.01    | <0.5     | 7.35     | <5       | 1490     | 2.0      | <2       | 3.34     | <0.5     | 20       | 100      | 288      | 4.07     | 20     |
| W933636            |                          | 0.75         | 0.01    | 0.6      | 4.16     | <5       | 90       | 1.2      | <2       | 3.54     | <0.5     | 67       | 1060     | 27       | 6.13     | 20     |
| W933637            |                          | 1.51         | <0.01   | <0.5     | 7.49     | <5       | 550      | 1.9      | 2        | 3.64     | <0.5     | 22       | 154      | 42       | 4.11     | 20     |
| W933638            |                          | 1.30         | <0.01   | <0.5     | 7.33     | <5       | 430      | 2.2      | 2        | 3.85     | <0.5     | 22       | 155      | 52       | 4.27     | 20     |
| W933639            |                          | 0.51         | <0.01   | <0.5     | 7.35     | <5       | 840      | 2.1      | <2       | 3.28     | <0.5     | 21       | 160      | 39       | 4.21     | 20     |
| W933640            |                          | 0.06         | 0.53    | <0.5     | 7.18     | <5       | 150      | <0.5     | <2       | 7.27     | <0.5     | 47       | 163      | 164      | 8.50     | 20     |
| W933641            |                          | 0.29         | 0.02    | 0.7      | 6.48     | <5       | 3870     | 0.8      | 4        | 5.62     | <0.5     | 22       | 168      | 46       | 3.96     | 20     |
| W933642            |                          | 0.56         | 0.01    | <0.5     | 5.10     | <5       | 360      | 2.3      | <2       | 2.06     | <0.5     | 79       | 969      | 480      | 9.46     | 20     |
| W933643            |                          | 1.35         | <0.01   | <0.5     | 3.13     | <5       | 40       | <0.5     | <2       | 1.68     | <0.5     | 90       | 1490     | 60       | 7.11     | 10     |
| W933644            |                          | 0.74         | <0.01   | <0.5     | 3.20     | <5       | <10      | <0.5     | <2       | 4.16     | <0.5     | 88       | 1365     | 52       | 6.98     | 10     |
| W933645            |                          | 0.35         | 0.01    | <0.5     | 5.80     | 6        | 340      | 0.6      | <2       | 5.12     | <0.5     | 64       | 640      | 53       | 7.16     | 10     |
| W933646            |                          | 0.39         | 0.01    | <0.5     | 5.63     | <5       | 170      | 0.5      | <2       | 5.71     | <0.5     | 60       | 683      | 32       | 7.12     | 10     |
| W933647            |                          | 1.23         | <0.01   | <0.5     | 3.77     | <5       | 80       | <0.5     | <2       | 4.17     | <0.5     | 88       | 1355     | 38       | 7.47     | 10     |





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Finalized Date: 19-DEC-2019  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19302406**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
|                    |                          | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01 |
| W933621            |                          | 2.40     | 40       | 1.33     | 458      | <1       | 4.26     | 20       | 1050     | 53       | 0.24     | <5       | 8        | 1330     | <20      | 0.19 |
| W933622            |                          | 1.59     | 30       | 1.04     | 510      | 8        | 4.55     | 15       | 850      | 105      | 0.64     | <5       | 6        | 1245     | <20      | 0.14 |
| W933623            |                          | 2.51     | 40       | 1.28     | 442      | 1        | 4.12     | 19       | 1000     | 32       | 0.16     | <5       | 7        | 912      | <20      | 0.18 |
| W933624            |                          | 2.12     | 30       | 1.13     | 475      | 1        | 4.17     | 19       | 920      | 21       | 0.55     | <5       | 7        | 816      | <20      | 0.18 |
| W933625            |                          | 1.33     | 30       | 1.10     | 509      | 2        | 5.06     | 15       | 1030     | 13       | 1.17     | <5       | 6        | 525      | <20      | 0.15 |
| W933626            |                          | 1.53     | 30       | 1.45     | 497      | 3        | 4.48     | 49       | 970      | 18       | 1.14     | <5       | 7        | 436      | <20      | 0.15 |
| W933627            |                          | 0.64     | 30       | 1.09     | 463      | 2        | 6.04     | 18       | 980      | 25       | 1.74     | 5        | 6        | 563      | <20      | 0.13 |
| W933628            |                          | 0.95     | 20       | 7.56     | 1235     | 2        | 1.24     | 667      | 400      | 47       | 0.84     | 6        | 14       | 512      | <20      | 0.11 |
| W933629            |                          | 0.69     | 20       | 5.51     | 1180     | 2        | 2.27     | 441      | 680      | 29       | 0.78     | <5       | 13       | 513      | <20      | 0.14 |
| W933630            |                          | 0.07     | 20       | 0.05     | 34       | <1       | 0.02     | 2        | 60       | <2       | <0.01    | <5       | 1        | 25       | <20      | 0.03 |
| W933631            |                          | 1.28     | 40       | 2.63     | 887      | <1       | 4.52     | 37       | 1430     | 65       | 0.92     | <5       | 14       | 2530     | <20      | 0.26 |
| W933632            |                          | 1.17     | 40       | 2.51     | 804      | <1       | 4.43     | 34       | 1400     | 48       | 0.74     | <5       | 14       | 984      | <20      | 0.25 |
| W933633            |                          | 1.23     | 40       | 2.25     | 730      | 11       | 4.06     | 33       | 1250     | 51       | 1.27     | 5        | 13       | 555      | <20      | 0.26 |
| W933634            |                          | 1.06     | 40       | 2.71     | 820      | 4        | 4.64     | 44       | 1460     | 64       | 1.00     | 6        | 15       | 686      | <20      | 0.27 |
| W933635            |                          | 0.74     | 40       | 2.64     | 738      | 4        | 4.95     | 36       | 1470     | 31       | 0.60     | <5       | 14       | 608      | <20      | 0.30 |
| W933636            |                          | 0.11     | 10       | 12.55    | 1025     | 2        | 0.88     | 922      | 250      | 3        | 0.08     | <5       | 19       | 165      | <20      | 0.05 |
| W933637            |                          | 0.60     | 40       | 2.97     | 708      | 1        | 5.72     | 46       | 1340     | 34       | 0.58     | 8        | 16       | 599      | <20      | 0.23 |
| W933638            |                          | 0.67     | 40       | 3.02     | 785      | 14       | 5.77     | 47       | 1380     | 48       | 0.73     | <5       | 16       | 552      | <20      | 0.26 |
| W933639            |                          | 0.62     | 40       | 2.96     | 681      | 23       | 5.77     | 48       | 1360     | 28       | 0.49     | 5        | 16       | 611      | <20      | 0.26 |
| W933640            |                          | 0.20     | <10      | 4.43     | 1400     | 1        | 2.29     | 100      | 440      | 8        | 0.16     | <5       | 44       | 126      | <20      | 0.67 |
| W933641            |                          | 0.25     | 30       | 5.61     | 1365     | 24       | 4.58     | 100      | 1010     | 65       | 0.81     | <5       | 15       | 405      | <20      | 0.18 |
| W933642            |                          | 4.33     | 50       | 12.90    | 1165     | 2        | 0.09     | 745      | 1740     | 18       | 1.45     | <5       | 32       | 87       | <20      | 0.37 |
| W933643            |                          | 0.40     | <10      | 16.30    | 804      | <1       | 0.02     | 1425     | 80       | 4        | 0.48     | <5       | 19       | 43       | <20      | 0.10 |
| W933644            |                          | 0.71     | <10      | 16.15    | 1230     | <1       | 0.01     | 1345     | 80       | <2       | 0.11     | 5        | 20       | 159      | <20      | 0.11 |
| W933645            |                          | 3.16     | 40       | 9.42     | 1095     | 3        | 1.69     | 553      | 1340     | 11       | 0.28     | 5        | 28       | 334      | <20      | 0.36 |
| W933646            |                          | 2.81     | 30       | 9.66     | 1110     | 1        | 1.71     | 617      | 1100     | 8        | 0.07     | <5       | 25       | 323      | <20      | 0.32 |
| W933647            |                          | 0.88     | 10       | 15.55    | 970      | <1       | 0.12     | 1285     | 210      | 12       | 0.08     | <5       | 22       | 129      | <20      | 0.15 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19302406**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|--------------------------|----------|----------|----------|----------|----------|
|                    |                          | Tl       | U        | V        | W        | Zn       |
|                    |                          | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                          | 10       | 10       | 1        | 10       | 2        |
| W933621            |                          | <10      | <10      | 67       | <10      | 80       |
| W933622            |                          | <10      | <10      | 56       | <10      | 38       |
| W933623            |                          | <10      | <10      | 61       | <10      | 69       |
| W933624            |                          | <10      | <10      | 57       | <10      | 47       |
| W933625            |                          | <10      | <10      | 56       | <10      | 35       |
| W933626            |                          | <10      | <10      | 71       | <10      | 39       |
| W933627            |                          | <10      | <10      | 62       | <10      | 34       |
| W933628            |                          | <10      | <10      | 174      | <10      | 200      |
| W933629            |                          | <10      | <10      | 123      | <10      | 126      |
| W933630            |                          | <10      | <10      | 6        | <10      | 2        |
| W933631            |                          | <10      | <10      | 123      | <10      | 78       |
| W933632            |                          | <10      | <10      | 118      | <10      | 69       |
| W933633            |                          | <10      | <10      | 106      | 10       | 70       |
| W933634            |                          | <10      | <10      | 124      | <10      | 86       |
| W933635            |                          | <10      | <10      | 118      | <10      | 77       |
| W933636            |                          | <10      | <10      | 185      | <10      | 135      |
| W933637            |                          | <10      | <10      | 125      | <10      | 76       |
| W933638            |                          | <10      | <10      | 131      | <10      | 79       |
| W933639            |                          | <10      | <10      | 142      | <10      | 72       |
| W933640            |                          | <10      | <10      | 306      | <10      | 97       |
| W933641            |                          | <10      | <10      | 96       | <10      | 87       |
| W933642            |                          | <10      | <10      | 264      | <10      | 157      |
| W933643            |                          | <10      | <10      | 126      | <10      | 87       |
| W933644            |                          | <10      | <10      | 121      | <10      | 53       |
| W933645            |                          | <10      | <10      | 198      | <10      | 74       |
| W933646            |                          | <10      | <10      | 188      | <10      | 79       |
| W933647            |                          | <10      | <10      | 137      | <10      | 58       |



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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19302406**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
Au-AA26 ME-ICP61

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.  
CRU-31 CRU-QC LOG-21 LOG-23  
PUL-31 PUL-QC SPL-21 WEI-21



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**QC CERTIFICATE TM19302406**

Project: Golden Perimeter  
 P.O. No.: GP-280A-19  
 This report is for 147 Drill Core samples submitted to our lab in Timmins, ON, Canada on 28-NOV-2019.  
 The following have access to data associated with this certificate:

|                |              |              |
|----------------|--------------|--------------|
| IAN DUNLOP     | DARWIN GREEN | NEAL MAGUIRE |
| CONOR MCKINLEY |              |              |

| SAMPLE PREPARATION |                                 |
|--------------------|---------------------------------|
| ALS CODE           | DESCRIPTION                     |
| WEI-21             | Received Sample Weight          |
| LOG-21             | Sample logging - ClientBarCode  |
| CRU-31             | Fine crushing - 70% <2mm        |
| LOG-23             | Pulp Login - Rcvd with Barcode  |
| CRU-QC             | Crushing QC Test                |
| PUL-QC             | Pulverizing QC Test             |
| SPL-21             | Split sample - riffle splitter  |
| PUL-31             | Pulverize up to 250g 85% <75 um |

| ANALYTICAL PROCEDURES |                               |            |
|-----------------------|-------------------------------|------------|
| ALS CODE              | DESCRIPTION                   | INSTRUMENT |
| Au-AA26               | Ore Grade Au 50g FA AA finish | AAS        |
| ME-ICP61              | 33 element four acid ICP-AES  | ICP-AES    |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

**Signature:**   
 Saa Traxler, General Manager, North Vancouver



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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**QC CERTIFICATE OF ANALYSIS TM19302406**

| Sample Description         | Method Analyte Units LOD | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|----------------------------|--------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                            |                          | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K %  |
|                            |                          | 0.01    | 0.5      | 0.01     | 5        | 10       |          |          |          |          |          |          |          |          |          |      |
| <b>STANDARDS</b>           |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| CDN-CM-34                  |                          |         | 3.6      | 7.06     | 109      | 500      | 1.0      | 6        | 2.27     | 1.0      | 44       | 250      | 6130     | 5.14     | 20       | 3.03 |
| CDN-CM-34                  |                          |         | 3.5      | 6.39     | 96       | 480      | 1.0      | 6        | 2.11     | 1.0      | 41       | 224      | 5650     | 4.68     | 20       | 2.73 |
| Target Range - Lower Bound |                          |         | 2.5      | 5.88     | 90       | 430      | <0.5     | <2       | 1.83     | <0.5     | 37       | 217      | 5370     | 4.26     | <10      | 2.51 |
| Upper Bound                |                          |         | 4.9      | 7.21     | 122      | 610      | 2.1      | 8        | 2.25     | 2.0      | 47       | 267      | 6190     | 5.23     | 40       | 3.09 |
| EMOG-17                    |                          |         | 66.9     | 4.75     | 596      | 150      | 1.8      | 9        | 1.97     | 20.2     | 762      | 57       | 8260     | 4.99     | 10       | 1.70 |
| EMOG-17                    |                          |         | 66.5     | 4.65     | 592      | 110      | 1.8      | 6        | 1.98     | 20.0     | 756      | 54       | 8230     | 4.89     | 10       | 1.65 |
| Target Range - Lower Bound |                          |         | 60.4     | 4.18     | 517      | 930      | 0.7      | <2       | 1.72     | 17.7     | 685      | 49       | 7740     | 4.42     | <10      | 1.49 |
| Upper Bound                |                          |         | 75.0     | 5.13     | 643      | 1290     | 2.9      | 10       | 2.12     | 22.7     | 839      | 62       | 8910     | 5.42     | 30       | 1.85 |
| G91 7-1                    |                          | 47.3    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G91 7-1                    |                          | 45.9    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G91 7-1                    |                          | 49.0    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 45.5    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 51.3    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| KIP-19                     |                          | 2.41    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| KIP-19                     |                          | 2.47    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| KIP-19                     |                          | 2.42    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 2.27    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 2.59    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| MRGeo08                    |                          |         | 4.4      | 7.61     | 34       | 1110     | 3.2      | <2       | 2.67     | 2.4      | 22       | 91       | 630      | 4.08     | 20       | 3.32 |
| MRGeo08                    |                          |         | 4.3      | 7.67     | 34       | 1130     | 3.3      | <2       | 2.80     | 2.1      | 20       | 91       | 635      | 4.15     | 20       | 3.24 |
| MRGeo08                    |                          |         | 4.5      | 7.66     | 31       | 1110     | 3.3      | 2        | 2.78     | 2.1      | 19       | 91       | 626      | 4.12     | 20       | 3.20 |
| Target Range - Lower Bound |                          |         | 3.2      | 6.64     | 21       | 920      | 2.2      | <2       | 2.35     | 1.1      | 17       | 81       | 586      | 3.55     | <10      | 2.79 |
| Upper Bound                |                          |         | 5.6      | 8.14     | 45       | 1270     | 4.5      | 5        | 2.90     | 3.4      | 23       | 102      | 676      | 4.37     | 40       | 3.43 |
| OREAS 602                  |                          |         | >100     | 4.26     | 668      | 80       | 0.7      | 59       | 0.62     | 24.7     | 11       | 32       | 5010     | 2.18     | 20       | 0.68 |
| OREAS 602                  |                          |         | >100     | 4.40     | 697      | 70       | 0.8      | 58       | 0.67     | 25.8     | 10       | 32       | 5260     | 2.26     | 20       | 0.68 |
| OREAS 602                  |                          |         | >100     | 4.27     | 661      | 100      | 0.7      | 57       | 0.64     | 24.5     | 8        | 36       | 4990     | 2.16     | 20       | 0.65 |
| Target Range - Lower Bound |                          |         | 107.5    | 3.92     | 579      | 590      | <0.5     | 49       | 0.55     | 21.7     | 7        | 28       | 4790     | 2.01     | <10      | 0.60 |
| Upper Bound                |                          |         | 100.0    | 4.82     | 719      | 830      | 1.8      | 65       | 0.69     | 27.7     | 12       | 36       | 5510     | 2.47     | 40       | 0.76 |
| OxP1 54                    |                          | 15.25   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 14.35   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 16.20   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| PMP-1 8                    |                          | 0.31    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 0.28    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.34    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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| Sample Description         | Method  | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |     |
|----------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|
|                            | Analyte | La       | Mg       | Mn       | Mo       | Na       | Ni       | P        | Pb       | S        | Sb       | Sc       | Sr       | Th       | Ti       | Tl  |
|                            | Units   | ppm      | %        | ppm      | ppm      | %        | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm |
|                            | LOD     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01     | 10  |
| <b>STANDARDS</b>           |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| CDN-CM-34                  |         | 20       | 3.95     | 466      | 297      | 0.81     | 257      | 1330     | 26       | 3.30     | 8        | 17       | 244      | <20      | 0.53     | <10 |
| CDN-CM-34                  |         | 10       | 3.64     | 430      | 280      | 0.73     | 236      | 1180     | 24       | 2.99     | 7        | 15       | 222      | <20      | 0.48     | <10 |
| Target Range - Lower Bound |         | <10      | 3.29     | 399      | 269      | 0.66     | 220      | 1110     | 19       | 2.70     | <5       | 14       | 204      | <20      | 0.43     | <10 |
| Upper Bound                |         | 40       | 4.05     | 499      | 331      | 0.83     | 271      | 1370     | 29       | 3.32     | 17       | 19       | 251      | 40       | 0.55     | 20  |
| EMOG-17                    |         | 20       | 0.97     | 742      | 1065     | 1.13     | 7590     | 840      | 7330     | 3.32     | 804      | 8        | 212      | <20      | 0.32     | <10 |
| EMOG-17                    |         | 20       | 0.96     | 742      | 1070     | 1.12     | 7580     | 820      | 7310     | 3.29     | 802      | 8        | 208      | <20      | 0.32     | <10 |
| Target Range - Lower Bound |         | <10      | 0.86     | 670      | 996      | 0.99     | 6820     | 700      | 6570     | 2.91     | 638      | 6        | 184      | <20      | 0.28     | <10 |
| Upper Bound                |         | 40       | 1.08     | 830      | 1220     | 1.23     | 8330     | 880      | 8030     | 3.57     | 874      | 10       | 227      | 50       | 0.36     | 20  |
| G917-1                     |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| G917-1                     |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| G917-1                     |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Target Range - Lower Bound |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Upper Bound                |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| KIP-19                     |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| KIP-19                     |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| KIP-19                     |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Target Range - Lower Bound |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Upper Bound                |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| MRGeo08                    |         | 30       | 1.38     | 565      | 14       | 2.04     | 712      | 1070     | 1110     | 0.31     | 7        | 11       | 312      | 20       | 0.50     | <10 |
| MRGeo08                    |         | 30       | 1.39     | 570      | 15       | 2.06     | 712      | 1080     | 1115     | 0.31     | 10       | 11       | 320      | 20       | 0.51     | <10 |
| MRGeo08                    |         | 30       | 1.39     | 564      | 14       | 2.08     | 708      | 1060     | 1110     | 0.31     | 10       | 11       | 317      | 20       | 0.51     | <10 |
| Target Range - Lower Bound |         | <10      | 1.17     | 497      | 12       | 1.76     | 621      | 930      | 969      | 0.27     | <5       | 10       | 276      | <20      | 0.44     | <10 |
| Upper Bound                |         | 60       | 1.45     | 619      | 18       | 2.18     | 761      | 1160     | 1190     | 0.35     | 15       | 15       | 340      | 60       | 0.56     | 20  |
| OREAS 602                  |         | 10       | 0.19     | 229      | 4        | 0.44     | 59       | 560      | 1025     | 2.08     | 82       | 4        | 457      | <20      | 0.22     | <10 |
| OREAS 602                  |         | 10       | 0.20     | 233      | 4        | 0.46     | 59       | 580      | 1060     | 2.17     | 85       | 4        | 469      | <20      | 0.22     | <10 |
| OREAS 602                  |         | 10       | 0.21     | 225      | 4        | 0.44     | 58       | 560      | 1010     | 2.05     | 84       | 4        | 455      | <20      | 0.22     | <10 |
| Target Range - Lower Bound |         | <10      | 0.17     | 198      | 2        | 0.40     | 53       | 500      | 918      | 1.90     | 61       | 2        | 417      | <20      | 0.18     | <10 |
| Upper Bound                |         | 40       | 0.23     | 253      | 7        | 0.51     | 67       | 640      | 1125     | 2.34     | 97       | 6        | 511      | 50       | 0.24     | 20  |
| OxP154                     |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Target Range - Lower Bound |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Upper Bound                |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| PMP-18                     |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Target Range - Lower Bound |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Upper Bound                |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19302406**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|----------------------------|--------------------------|----------|----------|----------|----------|
|                            |                          | U ppm    | V ppm    | W ppm    | Zn ppm   |
|                            |                          | 10       | 1        | 10       | 2        |
| <b>STANDARDS</b>           |                          |          |          |          |          |
| CDN-CM-34                  |                          | <10      | 173      | 30       | 200      |
| CDN-CM-34                  |                          | <10      | 158      | 20       | 192      |
| Target Range - Lower Bound |                          | <10      | 149      | <10      | 176      |
| Upper Bound                |                          | 20       | 184      | 50       | 219      |
| EMOG-17                    |                          | <10      | 73       | <10      | 7570     |
| EMOG-17                    |                          | <10      | 72       | <10      | 7560     |
| Target Range - Lower Bound |                          | <10      | 67       | <10      | 6800     |
| Upper Bound                |                          | 20       | 84       | 20       | 8320     |
| G91 7-1                    |                          |          |          |          |          |
| G91 7-1                    |                          |          |          |          |          |
| G91 7-1                    |                          |          |          |          |          |
| Target Range - Lower Bound |                          |          |          |          |          |
| Upper Bound                |                          |          |          |          |          |
| KIP-19                     |                          |          |          |          |          |
| KIP-19                     |                          |          |          |          |          |
| KIP-19                     |                          |          |          |          |          |
| Target Range - Lower Bound |                          |          |          |          |          |
| Upper Bound                |                          |          |          |          |          |
| MRGeo08                    |                          | <10      | 109      | <10      | 815      |
| MRGeo08                    |                          | <10      | 111      | 10       | 825      |
| MRGeo08                    |                          | <10      | 110      | <10      | 807      |
| Target Range - Lower Bound |                          | <10      | 97       | <10      | 722      |
| Upper Bound                |                          | 30       | 121      | 30       | 886      |
| OREAS 602                  |                          | <10      | 32       | 10       | 4060     |
| OREAS 602                  |                          | <10      | 34       | 10       | 4210     |
| OREAS 602                  |                          | <10      | 32       | 10       | 3980     |
| Target Range - Lower Bound |                          | <10      | 29       | <10      | 3770     |
| Upper Bound                |                          | 20       | 37       | 30       | 4610     |
| OxP154                     |                          |          |          |          |          |
| Target Range - Lower Bound |                          |          |          |          |          |
| Upper Bound                |                          |          |          |          |          |
| PMP-18                     |                          |          |          |          |          |
| Target Range - Lower Bound |                          |          |          |          |          |
| Upper Bound                |                          |          |          |          |          |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM19302406**

| Method Analyte Units LOD   | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |  |
|----------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| Sample Description         | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K %      |  |
|                            | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       | 0.01     |  |
| <b>BLANKS</b>              |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| BLANK                      | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| BLANK                      | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| BLANK                      | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| BLANK                      | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| BLANK                      |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | 1        | <1       | <0.01    | <10      | <0.01    |  |
| BLANK                      |         | <0.5     | <0.01    | <5       | <10      | <0.5     | 2        | <0.01    | <0.5     | <1       | <1       | <1       | <0.01    | <10      | <0.01    |  |
| BLANK                      |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | <1       | <0.01    | <10      | <0.01    |  |
| BLANK                      |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | 1        | <1       | <0.01    | <10      | <0.01    |  |
| BLANK                      |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | <1       | <0.01    | <10      | <0.01    |  |
| Target Range - Lower Bound |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | <1       | <0.01    | <10      | <0.01    |  |
| Upper Bound                |         | 1.0      | 0.02     | 10       | 20       | 1.0      | 4        | 0.02     | 1.0      | 2        | 2        | 2        | 0.02     | 20       | 0.02     |  |
| <b>DUPLICATES</b>          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| ORIGINAL                   | 26.4    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| DUP                        | 26.4    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | 25.1    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 27.7    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| ORIGINAL                   | 0.31    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| DUP                        | 0.32    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | 0.29    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 0.34    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| ORIGINAL                   | 0.05    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| DUP                        | 0.05    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | 0.04    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 0.06    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| ORIGINAL                   | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| DUP                        | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM19302406**

| Method Analyte Units LOD   | ME-ICP61 La ppm | ME-ICP61 Mg % | ME-ICP61 Mn ppm | ME-ICP61 Mo ppm | ME-ICP61 Na % | ME-ICP61 Ni ppm | ME-ICP61 P ppm | ME-ICP61 Pb ppm | ME-ICP61 S % | ME-ICP61 Sb ppm | ME-ICP61 Sc ppm | ME-ICP61 Sr ppm | ME-ICP61 Th ppm | ME-ICP61 Ti % | ME-ICP61 Tl ppm |
|----------------------------|-----------------|---------------|-----------------|-----------------|---------------|-----------------|----------------|-----------------|--------------|-----------------|-----------------|-----------------|-----------------|---------------|-----------------|
| Sample Description         | 10              | 0.01          | 5               | 1               | 0.01          | 1               | 10             | 2               | 0.01         | 5               | 1               | 1               | 20              | 0.01          | 10              |
| <b>BLANKS</b>              |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| BLANK                      |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| BLANK                      |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| BLANK                      |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| BLANK                      |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Target Range - Lower Bound |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Upper Bound                |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| BLANK                      | <10             | <0.01         | <5              | <1              | <0.01         | 2               | <10            | <2              | <0.01        | <5              | <1              | <1              | <20             | <0.01         | <10             |
| BLANK                      | <10             | <0.01         | <5              | <1              | <0.01         | <1              | <10            | <2              | <0.01        | <5              | <1              | <1              | <20             | <0.01         | <10             |
| BLANK                      | <10             | <0.01         | <5              | <1              | <0.01         | <1              | <10            | <2              | <0.01        | <5              | <1              | 1               | <20             | <0.01         | <10             |
| BLANK                      | <10             | <0.01         | <5              | <1              | <0.01         | <1              | <10            | <2              | <0.01        | <5              | <1              | 1               | <20             | <0.01         | <10             |
| BLANK                      | <10             | <0.01         | <5              | <1              | <0.01         | <1              | <10            | <2              | <0.01        | <5              | <1              | 1               | <20             | <0.01         | <10             |
| Target Range - Lower Bound | <10             | <0.01         | <5              | <1              | <0.01         | <1              | <10            | <2              | <0.01        | <5              | <1              | <1              | <20             | <0.01         | <10             |
| Upper Bound                | 20              | 0.02          | 10              | 2               | 0.02          | 2               | 20             | 4               | 0.02         | 10              | 2               | 2               | 40              | 0.02          | 20              |
| <b>DUPLICATES</b>          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| ORIGINAL                   |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| DUP                        |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Target Range - Lower Bound |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Upper Bound                |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| ORIGINAL                   |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| DUP                        |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Target Range - Lower Bound |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Upper Bound                |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| ORIGINAL                   |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| DUP                        |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Target Range - Lower Bound |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Upper Bound                |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM19302406**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 U ppm 10 | ME-ICP61 V ppm 1 | ME-ICP61 W ppm 10 | ME-ICP61 Zn ppm 2 |
|----------------------------|--------------------------|-------------------|------------------|-------------------|-------------------|
| <b>BLANKS</b>              |                          |                   |                  |                   |                   |
| BLANK                      |                          |                   |                  |                   |                   |
| BLANK                      |                          |                   |                  |                   |                   |
| BLANK                      |                          |                   |                  |                   |                   |
| BLANK                      |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| Target Range - Lower Bound |                          | <10               | <1               | <10               | <2                |
| Upper Bound                |                          | 20                | 2                | 20                | 4                 |
| <b>DUPLICATES</b>          |                          |                   |                  |                   |                   |
| ORIGINAL                   |                          |                   |                  |                   |                   |
| DUP                        |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| ORIGINAL                   |                          |                   |                  |                   |                   |
| DUP                        |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| ORIGINAL                   |                          |                   |                  |                   |                   |
| DUP                        |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |

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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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**QC CERTIFICATE OF ANALYSIS TM19302406**

| Sample Description         | Method<br>Analyte<br>Units<br>LOD | Au-AA26   | ME-ICP61  | ME-ICP61 | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61 | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61 | ME-ICP61  |        |
|----------------------------|-----------------------------------|-----------|-----------|----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|----------|-----------|--------|
|                            |                                   | Au<br>ppm | Ag<br>ppm | Al<br>%  | As<br>ppm | Ba<br>ppm | Be<br>ppm | Bi<br>ppm | Ca<br>%  | Cd<br>ppm | Co<br>ppm | Cr<br>ppm | Cu<br>ppm | Fe<br>%  | Ga<br>ppm | K<br>% |
|                            |                                   | 0.01      | 0.5       | 0.01     | 5         | 10        | 0.5       | 2         | 0.01     | 0.5       | 1         | 1         | 1         | 0.01     | 10        | 0.01   |
| <b>DUPLICATES</b>          |                                   |           |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| ORIGINAL                   |                                   |           | <0.5      | 7.44     | 7         | 70        | <0.5      | <2        | 6.91     | 0.7       | 45        | 29        | 219       | 8.35     | 20        | 0.58   |
| DUP                        |                                   |           | <0.5      | 7.21     | 9         | 80        | <0.5      | <2        | 6.64     | 0.7       | 44        | 29        | 213       | 8.14     | 20        | 0.56   |
| Target Range - Lower Bound |                                   |           | <0.5      | 6.95     | <5        | 60        | <0.5      | <2        | 6.43     | <0.5      | 41        | 27        | 207       | 7.82     | <10       | 0.53   |
| Upper Bound                |                                   |           | 1.0       | 7.70     | 10        | 90        | 1.0       | 4         | 7.12     | 1.0       | 48        | 31        | 225       | 8.67     | 30        | 0.61   |
| W933510                    |                                   | <0.01     |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| DUP                        |                                   | <0.01     |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Target Range - Lower Bound |                                   | <0.01     |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Upper Bound                |                                   | 0.02      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| W933536                    |                                   |           | <0.5      | 7.64     | <5        | 1960      | 3.0       | 2         | 2.35     | <0.5      | 13        | 49        | 23        | 2.82     | 20        | 3.23   |
| DUP                        |                                   |           | <0.5      | 7.62     | <5        | 1940      | 2.7       | 3         | 2.33     | <0.5      | 13        | 51        | 22        | 2.79     | 20        | 3.23   |
| Target Range - Lower Bound |                                   |           | <0.5      | 7.24     | <5        | 1790      | 2.2       | <2        | 2.21     | <0.5      | 11        | 47        | 21        | 2.65     | <10       | 3.06   |
| Upper Bound                |                                   |           | 1.0       | 8.02     | 10        | 2110      | 3.5       | 4         | 2.47     | 1.0       | 15        | 54        | 24        | 2.96     | 30        | 3.40   |
| W933553                    |                                   | 0.02      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| DUP                        |                                   | 0.03      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Target Range - Lower Bound |                                   | <0.01     |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Upper Bound                |                                   | 0.04      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| W933572                    |                                   |           | <0.5      | 7.39     | <5        | 1740      | 3.0       | 2         | 2.70     | <0.5      | 12        | 42        | 28        | 2.72     | 20        | 2.24   |
| DUP                        |                                   |           | <0.5      | 7.52     | <5        | 1810      | 3.1       | 2         | 2.79     | <0.5      | 12        | 43        | 26        | 2.85     | 20        | 2.29   |
| Target Range - Lower Bound |                                   |           | <0.5      | 7.07     | <5        | 1630      | 2.4       | <2        | 2.60     | <0.5      | 10        | 39        | 25        | 2.64     | <10       | 2.14   |
| Upper Bound                |                                   |           | 1.0       | 7.84     | 10        | 1920      | 3.7       | 4         | 2.89     | 1.0       | 14        | 46        | 29        | 2.93     | 30        | 2.39   |
| W933573                    |                                   | 0.03      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| DUP                        |                                   | 0.03      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Target Range - Lower Bound |                                   | 0.02      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Upper Bound                |                                   | 0.04      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| W933602                    |                                   | 0.04      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| DUP                        |                                   | 0.04      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Target Range - Lower Bound |                                   | 0.03      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Upper Bound                |                                   | 0.05      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| W933608                    |                                   |           | 0.6       | 7.88     | <5        | 2030      | 2.5       | <2        | 2.52     | <0.5      | 11        | 37        | 18        | 2.28     | 20        | 1.31   |
| DUP                        |                                   |           | <0.5      | 7.84     | <5        | 1990      | 2.5       | <2        | 2.48     | <0.5      | 11        | 37        | 17        | 2.31     | 20        | 1.29   |
| Target Range - Lower Bound |                                   |           | <0.5      | 7.46     | <5        | 1850      | 1.9       | <2        | 2.37     | <0.5      | 9         | 34        | 16        | 2.17     | <10       | 1.23   |
| Upper Bound                |                                   |           | 1.0       | 8.26     | 10        | 2170      | 3.1       | 4         | 2.64     | 1.0       | 13        | 40        | 19        | 2.42     | 30        | 1.38   |



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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19302406**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|----------------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                            |                          | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti %     | Tl ppm |
|                            |                          | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01     | 10     |
| <b>DUPLICATES</b>          |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| ORIGINAL                   |                          | <10      | 4.01     | 1295     | <1       | 1.62     | 60       | 330      | <2       | 0.51     | 5        | 40       | 130      | <20      | 0.43     | <10    |
| DUP                        |                          | <10      | 3.88     | 1240     | <1       | 1.59     | 59       | 320      | <2       | 0.49     | <5       | 39       | 131      | <20      | 0.42     | <10    |
| Target Range - Lower Bound |                          | <10      | 3.74     | 1200     | <1       | 1.51     | 56       | 300      | <2       | 0.47     | <5       | 37       | 123      | <20      | 0.39     | <10    |
| Upper Bound                |                          | 20       | 4.15     | 1335     | 2        | 1.70     | 63       | 350      | 4        | 0.54     | 10       | 42       | 138      | 40       | 0.46     | 20     |
| W933510                    |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W933536                    |                          | 40       | 1.37     | 560      | <1       | 3.64     | 22       | 1180     | 21       | 0.62     | <5       | 8        | 666      | <20      | 0.20     | <10    |
| DUP                        |                          | 40       | 1.36     | 561      | <1       | 3.59     | 23       | 1190     | 18       | 0.63     | <5       | 8        | 662      | <20      | 0.20     | <10    |
| Target Range - Lower Bound |                          | 30       | 1.29     | 527      | <1       | 3.42     | 20       | 1120     | 17       | 0.58     | <5       | 7        | 630      | <20      | 0.18     | <10    |
| Upper Bound                |                          | 50       | 1.44     | 594      | 2        | 3.81     | 25       | 1250     | 22       | 0.67     | 10       | 9        | 698      | 40       | 0.22     | 20     |
| W933553                    |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W933572                    |                          | 40       | 1.33     | 577      | 1        | 3.51     | 20       | 1180     | 12       | 1.15     | <5       | 8        | 1130     | <20      | 0.18     | <10    |
| DUP                        |                          | 30       | 1.37     | 587      | 1        | 3.62     | 20       | 1220     | 11       | 1.23     | <5       | 8        | 1190     | <20      | 0.19     | <10    |
| Target Range - Lower Bound |                          | 20       | 1.27     | 548      | <1       | 3.38     | 18       | 1130     | 9        | 1.12     | <5       | 7        | 1100     | <20      | 0.17     | <10    |
| Upper Bound                |                          | 50       | 1.43     | 616      | 2        | 3.75     | 22       | 1270     | 14       | 1.26     | 10       | 9        | 1220     | 40       | 0.20     | 20     |
| W933573                    |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W933602                    |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W933608                    |                          | 30       | 1.11     | 510      | 1        | 5.35     | 16       | 910      | 13       | 1.16     | <5       | 6        | 500      | <20      | 0.16     | <10    |
| DUP                        |                          | 30       | 1.10     | 502      | <1       | 5.35     | 16       | 900      | 15       | 1.21     | <5       | 7        | 491      | <20      | 0.16     | <10    |
| Target Range - Lower Bound |                          | 20       | 1.04     | 476      | <1       | 5.07     | 14       | 850      | 11       | 1.12     | <5       | 5        | 470      | <20      | 0.14     | <10    |
| Upper Bound                |                          | 40       | 1.17     | 536      | 2        | 5.63     | 18       | 960      | 17       | 1.25     | 10       | 8        | 521      | 40       | 0.18     | 20     |



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Project: Golden Perimeter

|                                              |
|----------------------------------------------|
| <b>QC CERTIFICATE OF ANALYSIS TM19302406</b> |
|----------------------------------------------|

| Sample Description         | Method Analyte Units LOD | ME-ICP61 U ppm | ME-ICP61 V ppm | ME-ICP61 W ppm | ME-ICP61 Zn ppm |
|----------------------------|--------------------------|----------------|----------------|----------------|-----------------|
|                            |                          | 10             | 1              | 10             | 2               |
| <b>DUPLICATES</b>          |                          |                |                |                |                 |
| ORIGINAL                   |                          | <10            | 234            | <10            | 95              |
| DUP                        |                          | <10            | 225            | <10            | 92              |
| Target Range - Lower Bound |                          | <10            | 217            | <10            | 87              |
| Upper Bound                |                          | 20             | 242            | 20             | 100             |
| W933510                    |                          |                |                |                |                 |
| DUP                        |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| W933536                    |                          | <10            | 75             | <10            | 56              |
| DUP                        |                          | <10            | 74             | <10            | 56              |
| Target Range - Lower Bound |                          | <10            | 70             | <10            | 51              |
| Upper Bound                |                          | 20             | 79             | 20             | 61              |
| W933553                    |                          |                |                |                |                 |
| DUP                        |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| W933572                    |                          | <10            | 78             | 10             | 55              |
| DUP                        |                          | <10            | 80             | <10            | 58              |
| Target Range - Lower Bound |                          | <10            | 74             | <10            | 52              |
| Upper Bound                |                          | 20             | 84             | 20             | 61              |
| W933573                    |                          |                |                |                |                 |
| DUP                        |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| W933602                    |                          |                |                |                |                 |
| DUP                        |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| W933608                    |                          | <10            | 68             | <10            | 40              |
| DUP                        |                          | <10            | 66             | <10            | 39              |
| Target Range - Lower Bound |                          | <10            | 63             | <10            | 36              |
| Upper Bound                |                          | 20             | 71             | 20             | 43              |



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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19302406**

| Sample Description         | Method Analyte Units LOD | Au-AA26<br>Au<br>ppm<br>0.01 | ME-ICP61<br>Ag<br>ppm<br>0.5 | ME-ICP61<br>Al<br>%<br>0.01 | ME-ICP61<br>As<br>ppm<br>5 | ME-ICP61<br>Ba<br>ppm<br>10 | ME-ICP61<br>Be<br>ppm<br>0.5 | ME-ICP61<br>Bi<br>ppm<br>2 | ME-ICP61<br>Ca<br>%<br>0.01 | ME-ICP61<br>Cd<br>ppm<br>0.5 | ME-ICP61<br>Co<br>ppm<br>1 | ME-ICP61<br>Cr<br>ppm<br>1 | ME-ICP61<br>Cu<br>ppm<br>1 | ME-ICP61<br>Fe<br>%<br>0.01 | ME-ICP61<br>Ga<br>ppm<br>10 | ME-ICP61<br>K<br>%<br>0.01 |
|----------------------------|--------------------------|------------------------------|------------------------------|-----------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|----------------------------|
| <b>DUPLICATES</b>          |                          |                              |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| W933642                    |                          | 0.01                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | 0.01                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| W933644                    |                          |                              | <0.5                         | 3.20                        | <5                         | <10                         | <0.5                         | <2                         | 4.16                        | <0.5                         | 88                         | 1365                       | 52                         | 6.98                        | 10                          | 0.71                       |
| DUP                        |                          |                              | <0.5                         | 3.02                        | <5                         | <10                         | <0.5                         | <2                         | 3.98                        | <0.5                         | 83                         | 1380                       | 47                         | 6.57                        | 10                          | 0.66                       |
| Target Range - Lower Bound |                          |                              | <0.5                         | 2.94                        | <5                         | <10                         | <0.5                         | <2                         | 3.86                        | <0.5                         | 80                         | 1305                       | 47                         | 6.43                        | <10                         | 0.64                       |
| Upper Bound                |                          |                              | 1.0                          | 3.28                        | 10                         | 20                          | 1.0                          | 4                          | 4.28                        | 1.0                          | 91                         | 1440                       | 52                         | 7.12                        | 20                          | 0.73                       |
| ORIGINAL                   |                          | 0.03                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | 0.03                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.04                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| ORIGINAL                   |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.03                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |



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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19302406**

| Sample Description                                           | Method Analyte Units LOD | ME-ICP61<br>La<br>ppm<br>10 | ME-ICP61<br>Mg<br>%<br>0.01      | ME-ICP61<br>Mn<br>ppm<br>5   | ME-ICP61<br>Mo<br>ppm<br>1 | ME-ICP61<br>Na<br>%<br>0.01   | ME-ICP61<br>Ni<br>ppm<br>1   | ME-ICP61<br>P<br>ppm<br>10 | ME-ICP61<br>Pb<br>ppm<br>2 | ME-ICP61<br>S<br>%<br>0.01   | ME-ICP61<br>Sb<br>ppm<br>5 | ME-ICP61<br>Sc<br>ppm<br>1 | ME-ICP61<br>Sr<br>ppm<br>1 | ME-ICP61<br>Th<br>ppm<br>20 | ME-ICP61<br>Ti<br>%<br>0.01  | ME-ICP61<br>Tl<br>ppm<br>10 |  |
|--------------------------------------------------------------|--------------------------|-----------------------------|----------------------------------|------------------------------|----------------------------|-------------------------------|------------------------------|----------------------------|----------------------------|------------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|------------------------------|-----------------------------|--|
| <b>DUPLICATES</b>                                            |                          |                             |                                  |                              |                            |                               |                              |                            |                            |                              |                            |                            |                            |                             |                              |                             |  |
| W933642<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                             |                                  |                              |                            |                               |                              |                            |                            |                              |                            |                            |                            |                             |                              |                             |  |
| W933644<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | <10<br><10<br><10<br>20     | 16.15<br>15.15<br>14.85<br>16.45 | 1230<br>1165<br>1135<br>1260 | <1<br><1<br><1<br>2        | 0.01<br>0.01<br><0.01<br>0.02 | 1345<br>1265<br>1240<br>1370 | 80<br>70<br>60<br>90       | <2<br>3<br><2<br>4         | 0.11<br>0.10<br>0.09<br>0.12 | 5<br><5<br><5<br>10        | 20<br>19<br>18<br>21       | 159<br>149<br>145<br>163   | <20<br><20<br><20<br>40     | 0.11<br>0.10<br>0.09<br>0.12 | <10<br><10<br><10<br>20     |  |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                                  |                              |                            |                               |                              |                            |                            |                              |                            |                            |                            |                             |                              |                             |  |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                                  |                              |                            |                               |                              |                            |                            |                              |                            |                            |                            |                             |                              |                             |  |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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 2103 Dollarton Hwy  
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|                                                 |
|-------------------------------------------------|
| <b>QC CERTIFICATE OF ANALYSIS    TM19302406</b> |
|-------------------------------------------------|

| Sample Description                                           | Method Analyte Units LOD | ME-ICP61 U ppm          | ME-ICP61 V ppm           | ME-ICP61 W ppm          | ME-ICP61 Zn ppm      |
|--------------------------------------------------------------|--------------------------|-------------------------|--------------------------|-------------------------|----------------------|
|                                                              |                          | 10                      | 1                        | 10                      | 2                    |
| W933642<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  | <b>DUPLICATES</b>        |                         |                          |                         |                      |
| W933644<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | <10<br><10<br><10<br>20 | 121<br>113<br>110<br>124 | <10<br><10<br><10<br>20 | 53<br>50<br>47<br>56 |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                          |                         |                      |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                          |                         |                      |
|                                                              |                          |                         |                          |                         |                      |





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**QC CERTIFICATE OF ANALYSIS TM19302406**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
 Au-AA26 ME-ICP61

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.  
 CRU-31 CRU-QC LOG-21 LOG-23  
 PUL-31 PUL-QC SPL-21 WEI-21



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**CERTIFICATE TM19303449**

Project: Golden Perimeter  
 P.O. No.: GP-280A-19  
 This report is for 5 Drill Core samples submitted to our lab in Timmins, ON, Canada on 29-NOV-2019.  
 The following have access to data associated with this certificate:

|                |              |              |
|----------------|--------------|--------------|
| IAN DUNLOP     | DARWIN GREEN | NEAL MAGUIRE |
| CONOR MCKINLEY |              |              |

| SAMPLE PREPARATION |                               |
|--------------------|-------------------------------|
| ALS CODE           | DESCRIPTION                   |
| FND-02             | Find Sample for Addn Analysis |

| ANALYTICAL PROCEDURES |                                 |            |
|-----------------------|---------------------------------|------------|
| ALS CODE              | DESCRIPTION                     | INSTRUMENT |
| ME-XRF26              | Whole Rock By Fusion/XRF        | XRF        |
| OA-GRA05x             | LOI for XRF                     | WST-SEQ    |
| ME-MS42               | Up to 34 elements by ICP-MS     | ICP-MS     |
| S-IR08                | Total Sulphur (IR Spectroscopy) | LECO       |
| C-IR07                | Total Carbon (IR Spectroscopy)  | LECO       |
| ME-MS81               | Lithium Borate Fusion ICP-MS    | ICP-MS     |
| ME-4ACD81             | Base Metals by 4-acid dig.      | ICP-AES    |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

**Signature:**   
 Saa Traxler, General Manager, North Vancouver



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
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 VANCOUVER BC V6C 2V6

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 Finalized Date: 24-DEC-2019  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19303449**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-XRF26   | ME-XRF26 | ME-XRF26 | ME-XRF26   | ME-XRF26   | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26  | ME-XRF26  | ME-XRF26  | ME-XRF26 | ME-XRF26  | ME-XRF26                   | ME-XRF26   |
|--------------------|-----------------------------------|------------|----------|----------|------------|------------|----------|----------|----------|-----------|-----------|-----------|----------|-----------|----------------------------|------------|
|                    |                                   | Al2O3<br>% | BaO<br>% | CaO<br>% | Cr2O3<br>% | Fe2O3<br>% | K2O<br>% | MgO<br>% | MnO<br>% | Na2O<br>% | P2O5<br>% | SiO2<br>% | SrO<br>% | TiO2<br>% | OA-GRA05x<br>LOI 1000<br>% | Total<br>% |
| W933514            |                                   | 4.71       | 0.02     | 4.33     | 0.28       | 9.04       | 0.01     | 26.1     | 0.13     | 0.08      | 0.02      | 38.14     | 0.01     | 0.23      | 16.81                      | 100.25     |
| W933542            |                                   | 15.39      | 0.32     | 3.62     | 0.01       | 4.13       | 3.23     | 2.64     | 0.08     | 4.97      | 0.26      | 61.32     | 0.10     | 0.37      | 3.44                       | 100.70     |
| W933602            |                                   | 16.07      | 0.20     | 3.55     | 0.01       | 3.63       | 1.29     | 2.24     | 0.08     | 7.56      | 0.24      | 58.91     | 0.07     | 0.32      | 5.49                       | 101.90     |
| W933639            |                                   | 14.02      | 0.10     | 4.52     | 0.03       | 6.05       | 0.74     | 5.03     | 0.10     | 7.67      | 0.32      | 57.48     | 0.07     | 0.51      | 3.34                       | 101.25     |
| W933644            |                                   | 5.80       | 0.01     | 5.71     | 0.32       | 9.72       | 0.82     | 24.6     | 0.16     | 0.08      | 0.03      | 40.09     | 0.02     | 0.28      | 12.02                      | 100.25     |

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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19303449**

| Sample Description | Method       | ME-MS81    | ME-MS81    | ME-MS81   | ME-MS81     | ME-MS81     | ME-MS81     | ME-MS81     | ME-MS81    | ME-MS81     | ME-MS81  | ME-MS81    | ME-MS81     | ME-MS81    | ME-MS81     | ME-MS81    |
|--------------------|--------------|------------|------------|-----------|-------------|-------------|-------------|-------------|------------|-------------|----------|------------|-------------|------------|-------------|------------|
|                    | Analyte      | Ba         | Ce         | Cr        | Cs          | Dy          | Er          | Eu          | Ga         | Gd          | Ge       | Hf         | Ho          | La         | Lu          | Nb         |
|                    | Units<br>LOD | ppm<br>0.5 | ppm<br>0.1 | ppm<br>10 | ppm<br>0.01 | ppm<br>0.05 | ppm<br>0.03 | ppm<br>0.03 | ppm<br>0.1 | ppm<br>0.05 | ppm<br>5 | ppm<br>0.2 | ppm<br>0.01 | ppm<br>0.1 | ppm<br>0.01 | ppm<br>0.2 |
| W933514            |              | 59.1       | 1.1        | 2010      | 0.27        | 0.92        | 0.53        | 0.20        | 6.2        | 0.68        | <5       | 0.4        | 0.23        | 0.5        | 0.08        | 0.3        |
| W933542            |              | 3140       | 106.0      | 60        | 0.41        | 2.64        | 1.10        | 1.81        | 19.1       | 4.83        | <5       | 3.9        | 0.45        | 54.1       | 0.19        | 5.6        |
| W933602            |              | 1960       | 92.1       | 50        | 0.29        | 2.07        | 0.90        | 1.55        | 21.5       | 4.30        | <5       | 4.0        | 0.45        | 49.1       | 0.15        | 5.8        |
| W933639            |              | 884        | 95.6       | 230       | 2.13        | 2.81        | 1.36        | 1.88        | 19.0       | 4.62        | <5       | 3.4        | 0.55        | 48.0       | 0.21        | 4.3        |
| W933644            |              | 3.0        | 1.6        | 2170      | 3.88        | 1.18        | 0.78        | 0.22        | 7.4        | 0.83        | <5       | 0.4        | 0.26        | 0.7        | 0.08        | 0.3        |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19303449**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81          | ME-MS81           | ME-MS81          | ME-MS81           | ME-MS81        | ME-MS81          | ME-MS81          | ME-MS81           | ME-MS81           | ME-MS81           | ME-MS81          | ME-MS81       | ME-MS81       | ME-MS81         |                   |
|--------------------|-----------------------------------|------------------|-------------------|------------------|-------------------|----------------|------------------|------------------|-------------------|-------------------|-------------------|------------------|---------------|---------------|-----------------|-------------------|
|                    |                                   | Nd<br>ppm<br>0.1 | Pr<br>ppm<br>0.03 | Rb<br>ppm<br>0.2 | Sm<br>ppm<br>0.03 | Sn<br>ppm<br>1 | Sr<br>ppm<br>0.1 | Ta<br>ppm<br>0.1 | Tb<br>ppm<br>0.01 | Th<br>ppm<br>0.05 | Tm<br>ppm<br>0.01 | U<br>ppm<br>0.05 | V<br>ppm<br>5 | W<br>ppm<br>1 | Y<br>ppm<br>0.1 | Yb<br>ppm<br>0.03 |
| W933514            |                                   | 1.3              | 0.22              | 0.6              | 0.60              | <1             | 62.4             | <0.1             | 0.16              | <0.05             | 0.09              | <0.05            | 71            | 1             | 5.6             | 0.50              |
| W933542            |                                   | 48.3             | 12.10             | 47.3             | 7.72              | 1              | 890              | 0.4              | 0.56              | 9.59              | 0.14              | 2.20             | 83            | 1             | 13.4            | 1.20              |
| W933602            |                                   | 41.6             | 10.60             | 28.1             | 6.93              | 1              | 647              | 0.9              | 0.49              | 10.25             | 0.18              | 3.34             | 65            | 6             | 12.0            | 1.07              |
| W933639            |                                   | 45.0             | 11.20             | 34.7             | 7.82              | 1              | 617              | 0.7              | 0.58              | 8.41              | 0.20              | 2.84             | 157           | 2             | 13.6            | 1.26              |
| W933644            |                                   | 1.3              | 0.25              | 36.4             | 0.58              | <1             | 141.0            | <0.1             | 0.16              | 0.05              | 0.11              | <0.05            | 104           | 1             | 6.7             | 0.66              |



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19303449**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81        | ME-4ACD81        | ME-4ACD81        | ME-4ACD81      | ME-4ACD81      | ME-4ACD81       | ME-4ACD81      | ME-4ACD81      | ME-4ACD81      | ME-4ACD81      | ME-4ACD81      | ME-MS42          | ME-MS42           | ME-MS42            | ME-MS42            |
|--------------------|-----------------------------------|----------------|------------------|------------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|------------------|-------------------|--------------------|--------------------|
|                    |                                   | Zr<br>ppm<br>2 | Ag<br>ppm<br>0.5 | Cd<br>ppm<br>0.5 | Co<br>ppm<br>1 | Cu<br>ppm<br>1 | Li<br>ppm<br>10 | Mo<br>ppm<br>1 | Ni<br>ppm<br>1 | Pb<br>ppm<br>2 | Sc<br>ppm<br>1 | Zn<br>ppm<br>2 | As<br>ppm<br>0.1 | Bi<br>ppm<br>0.01 | Hg<br>ppm<br>0.005 | In<br>ppm<br>0.005 |
| W933514            |                                   | 12             | <0.5             | <0.5             | 88             | 32             | 20              | <1             | 1525           | <2             | 16             | 53             | 0.2              | 0.03              | <0.005             | 0.017              |
| W933542            |                                   | 155            | <0.5             | <0.5             | 12             | 30             | 10              | <1             | 24             | 37             | 8              | 67             | 0.3              | 0.22              | <0.005             | 0.019              |
| W933602            |                                   | 147            | <0.5             | <0.5             | 11             | 157            | <10             | <1             | 20             | 8              | 7              | 41             | 0.3              | 0.45              | <0.005             | 0.019              |
| W933639            |                                   | 134            | <0.5             | <0.5             | 21             | 47             | 10              | 23             | 48             | 27             | 16             | 70             | 0.6              | 0.22              | <0.005             | 0.010              |
| W933644            |                                   | 13             | <0.5             | 0.6              | 86             | 53             | 10              | <1             | 1310           | <2             | 20             | 51             | 1.1              | 0.10              | <0.005             | 0.022              |

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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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|                                           |
|-------------------------------------------|
| <b>CERTIFICATE OF ANALYSIS TM19303449</b> |
|-------------------------------------------|

| Sample Description | Method Analyte Units LOD | ME-MS42<br>Re<br>ppm<br>0.001 | ME-MS42<br>Sb<br>ppm<br>0.05 | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02 | S-IR08<br>S<br>%<br>0.01 | C-IR07<br>C<br>%<br>0.01 |
|--------------------|--------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------|--------------------------|
| W933514            |                          | 0.001                         | <0.05                        | 15.1                        | <0.2                        | 0.01                         | <0.02                        | 0.01                     | 3.38                     |
| W933542            |                          | 0.001                         | <0.05                        | 4.4                         | 0.2                         | <0.01                        | 0.03                         | 0.25                     | 0.63                     |
| W933602            |                          | <0.001                        | <0.05                        | 4.1                         | 0.8                         | 0.06                         | 0.03                         | 0.85                     | 1.31                     |
| W933639            |                          | 0.031                         | <0.05                        | 0.9                         | 0.4                         | 0.02                         | 0.32                         | 0.45                     | 0.65                     |
| W933644            |                          | <0.001                        | <0.05                        | 10.5                        | 0.2                         | 0.01                         | 0.32                         | 0.10                     | 1.97                     |
|                    |                          |                               |                              |                             |                             |                              |                              |                          |                          |



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2103 Dollarton Hwy  
North Vancouver BC V7H 0A7  
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19303449**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
C-IR07 FND-02 ME-4ACD81  
ME-MS81 ME-XRF26 OA-GRA05x

ME-MS42  
S-IR08





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE TM19303449**

Project: Golden Perimeter  
 P.O. No.: GP-280A-19  
 This report is for 5 Drill Core samples submitted to our lab in Timmins, ON, Canada on 29-NOV-2019.  
 The following have access to data associated with this certificate:

|                |              |              |
|----------------|--------------|--------------|
| IAN DUNLOP     | DARWIN GREEN | NEAL MAGUIRE |
| CONOR MCKINLEY |              |              |

| SAMPLE PREPARATION |                               |
|--------------------|-------------------------------|
| ALS CODE           | DESCRIPTION                   |
| FND-02             | Find Sample for Addn Analysis |

| ANALYTICAL PROCEDURES |                                 |            |
|-----------------------|---------------------------------|------------|
| ALS CODE              | DESCRIPTION                     | INSTRUMENT |
| ME-XRF26              | Whole Rock By Fusion/XRF        | XRF        |
| OA-GRA05x             | LOI for XRF                     | WST-SEQ    |
| ME-MS42               | Up to 34 elements by ICP-MS     | ICP-MS     |
| S-IR08                | Total Sulphur (IR Spectroscopy) | LECO       |
| C-IR07                | Total Carbon (IR Spectroscopy)  | LECO       |
| ME-MS81               | Lithium Borate Fusion ICP-MS    | ICP-MS     |
| ME-4ACD81             | Base Metals by 4-acid dig.      | ICP-AES    |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

**Signature:**   
 Saa Traxler, General Manager, North Vancouver



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM19303449**

| Method Analyte Units LOD   | ME-XRF26 Al2O3 % | ME-XRF26 BaO % | ME-XRF26 CaO % | ME-XRF26 Cr2O3 % | ME-XRF26 Fe2O3 % | ME-XRF26 K2O % | ME-XRF26 MgO % | ME-XRF26 MnO % | ME-XRF26 Na2O % | ME-XRF26 P2O5 % | ME-XRF26 SiO2 % | ME-XRF26 SrO % | ME-XRF26 TiO2 % | OA-GRA05x LOI 1000 % | ME-XRF26 Total % |
|----------------------------|------------------|----------------|----------------|------------------|------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------------|------------------|
| Sample Description         | 0.01             | 0.01           | 0.01           | 0.01             | 0.01             | 0.01           | 0.01           | 0.01           | 0.01            | 0.01            | 0.01            | 0.01           | 0.01            | 0.01                 | 0.01             |
| <b>STANDARDS</b>           |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| AMIS0547                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 37.88            |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 36.19            |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 40.02            |
| GS310-10                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| GS310-10                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| MA-1b                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| MA-1b                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| MRGeo08                    |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| MRGeo08                    |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 146                  |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 146                  |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 218                  | 13.58            | 0.02           | 10.10          | 0.03             | 12.16            | 0.23           | 7.14           | 0.19           | 2.98            | 0.11            | 49.65           | 0.02           | 1.12            |                      | 97.88            |
| Target Range - Lower Bound | 13.04            | <0.01          | 9.73           | <0.01            | 11.63            | 0.20           | 6.81           | 0.16           | 2.75            | 0.07            | 48.02           | <0.01          | 1.04            |                      | <0.01            |
| Upper Bound                | 13.96            | 0.04           | 10.45          | 0.05             | 12.47            | 0.26           | 7.39           | 0.22           | 3.05            | 0.13            | 50.38           | 0.03           | 1.20            |                      | 0.02             |
| OREAS 220                  | 13.76            | 0.02           | 9.69           | 0.04             | 11.42            | 0.47           | 7.10           | 0.17           | 2.78            | 0.18            | 50.62           | 0.03           | 1.29            |                      | 98.17            |
| Target Range - Lower Bound | 13.12            | <0.01          | 9.28           | 0.02             | 11.00            | 0.42           | 6.92           | 0.14           | 2.60            | 0.15            | 49.10           | <0.01          | 1.19            |                      | <0.01            |
| Upper Bound                | 14.04            | 0.05           | 10.00          | 0.06             | 11.80            | 0.51           | 7.50           | 0.20           | 2.90            | 0.21            | 51.50           | 0.05           | 1.37            |                      | 0.02             |
| OREAS 501b                 |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 602                  |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS-45e                  |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 8.56             |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 8.11             |
|                            |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 8.99             |
| SY-4                       |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19303449**

| Sample Description         | Method<br>Analyte<br>Units<br>LOD | ME-MS81<br>Ba<br>ppm<br>0.5 | ME-MS81<br>Ce<br>ppm<br>0.1 | ME-MS81<br>Cr<br>ppm<br>10 | ME-MS81<br>Cs<br>ppm<br>0.01 | ME-MS81<br>Dy<br>ppm<br>0.05 | ME-MS81<br>Er<br>ppm<br>0.03 | ME-MS81<br>Eu<br>ppm<br>0.03 | ME-MS81<br>Ga<br>ppm<br>0.1 | ME-MS81<br>Gd<br>ppm<br>0.05 | ME-MS81<br>Ge<br>ppm<br>5 | ME-MS81<br>Hf<br>ppm<br>0.2 | ME-MS81<br>Ho<br>ppm<br>0.01 | ME-MS81<br>La<br>ppm<br>0.1 | ME-MS81<br>Lu<br>ppm<br>0.01 | ME-MS81<br>Nb<br>ppm<br>0.2 |
|----------------------------|-----------------------------------|-----------------------------|-----------------------------|----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|------------------------------|---------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|-----------------------------|
| <b>STANDARDS</b>           |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| AMIS0547                   |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| GS310-10                   |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| GS310-10                   |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| MA-1b                      |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| MA-1b                      |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| MRGeo08                    |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| MRGeo08                    |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| OREAS 146                  |                                   | >10000                      | 4600                        | 190                        | 0.45                         | 217                          | 80.6                         | 124.5                        | 15.9                        | 328                          | <5                        | 4.2                         | 36.7                         | 2440                        | 6.04                         | 379                         |
| OREAS 146                  |                                   | >10000                      | 4720                        | 180                        | 0.54                         | 217                          | 83.1                         | 123.5                        | 23.4                        | 327                          | <5                        | 4.1                         | 35.2                         | 2480                        | 6.04                         | 385                         |
| Target Range - Lower Bound |                                   | 11450                       | 4220                        | 160                        | 0.47                         | 202                          | 78.3                         | 114.5                        | 26.2                        | 323                          | <5                        | 3.6                         | 33.1                         | 2260                        | 5.66                         | 349                         |
| Upper Bound                |                                   | >10000                      | 5160                        | 220                        | 0.59                         | 246                          | 95.7                         | 139.5                        | 32.2                        | 395                          | 15                        | 4.8                         | 40.5                         | 2760                        | 6.94                         | 427                         |
| OREAS 218                  |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| OREAS 220                  |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| OREAS 501b                 |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| OREAS 602                  |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| OREAS-45e                  |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| SY-4                       |                                   | 366                         | 124.5                       | 10                         | 1.64                         | 19.40                        | 15.35                        | 2.06                         | 40.3                        | 14.15                        | <5                        | 11.9                        | 4.49                         | 58.8                        | 2.18                         | 13.7                        |
| Target Range - Lower Bound |                                   | 306                         | 109.5                       | <10                        | 1.34                         | 16.35                        | 12.75                        | 1.77                         | 33.1                        | 12.55                        | <5                        | 9.8                         | 3.86                         | 52.1                        | 1.88                         | 11.5                        |
| Upper Bound                |                                   | 375                         | 134.5                       | 30                         | 1.66                         | 20.1                         | 15.65                        | 2.23                         | 40.7                        | 15.45                        | 12                        | 12.4                        | 4.74                         | 63.9                        | 2.32                         | 14.5                        |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19303449**

| Method Analyte Units LOD   | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |  |
|----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|
| Sample Description         | Nd ppm  | Pr ppm  | Rb ppm  | Sm ppm  | Sn ppm  | Sr ppm  | Ta ppm  | Tb ppm  | Th ppm  | Tm ppm  | U ppm   | V ppm   | W ppm   | Y ppm   | Yb ppm  |  |
|                            | 0.1     | 0.03    | 0.2     | 0.03    | 1       | 0.1     | 0.1     | 0.01    | 0.05    | 0.01    | 0.05    | 5       | 1       | 0.1     | 0.03    |  |
| <b>STANDARDS</b>           |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| AMIS0547                   |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| GS310-10                   |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| GS310-10                   |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| MA-1b                      |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| MA-1b                      |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| MRGeo08                    |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| MRGeo08                    |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| OREAS 146                  | 2190    | 526     | 25.8    | 451     | 43      | 3190    | 4.1     | 45.5    | 888     | 9.47    | 2.44    | 156     | 29      | 919     | 53.1    |  |
| OREAS 146                  | 2230    | 553     | 25.7    | 440     | 42      | 3140    | 4.4     | 44.3    | 905     | 9.33    | 2.54    | 156     | 28      | 913     | 50.4    |  |
| Target Range - Lower Bound | 1965    | 493     | 23.7    | 397     | 40      | 2790    | 3.6     | 42.5    | 813     | 8.90    | 2.37    | 140     | 25      | 814     | 48.1    |  |
| Upper Bound                | 2400    | 603     | 29.5    | 485     | 52      | 3410    | 4.6     | 51.9    | 993     | 10.90   | 3.01    | 182     | 33      | 996     | 58.9    |  |
| OREAS 218                  |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| OREAS 220                  |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| OREAS 501b                 |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| OREAS 602                  |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| OREAS-45e                  |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| SY-4                       | 62.2    | 15.40   | 56.4    | 12.70   | 8       | 1255    | 1.0     | 2.78    | 1.13    | 2.34    | 0.84    | 6       | 1       | 123.5   | 16.00   |  |
| Target Range - Lower Bound | 51.2    | 13.45   | 49.3    | 11.40   | 6       | 1070    | 0.7     | 2.33    | 1.11    | 2.06    | 0.66    | <5      | <1      | 107.0   | 13.30   |  |
| Upper Bound                | 62.8    | 16.55   | 60.7    | 14.00   | 10      | 1310    | 1.1     | 2.87    | 1.47    | 2.54    | 0.94    | 18      | 3       | 131.0   | 16.30   |  |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
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 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19303449**

| Method Analyte Units LOD   | ME-MS81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 |
|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|---------|---------|
| Sample Description         | Zr ppm  | Ag ppm    | Cd ppm    | Co ppm    | Cu ppm    | Li ppm    | Mo ppm    | Ni ppm    | Pb ppm    | Sc ppm    | Zn ppm    | As ppm  | Bi ppm  | Hg ppm  | In ppm  |
|                            | 2       | 0.5       | 0.5       | 1         | 1         | 10        | 1         | 1         | 2         | 1         | 2         | 0.1     | 0.01    | 0.005   | 0.005   |
| <b>STANDARDS</b>           |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| AMIS0547                   |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| GS310-10                   |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| GS310-10                   |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| MA-1b                      |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| MA-1b                      |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| MRGeo08                    | 4.6     | 2.6       | 21        | 641       | 30        | 14        | 712       | 1110      | 11        | 817       |           |         |         |         |         |
| Target Range - Lower Bound | 3.2     | 1.1       | 17        | 586       | <10       | 12        | 621       | 969       | 10        | 722       |           |         |         |         |         |
| Upper Bound                | 5.6     | 3.4       | 23        | 676       | 50        | 18        | 761       | 1190      | 15        | 886       |           |         |         |         |         |
| MRGeo08                    |         |           |           |           |           |           |           |           |           |           |           | 33.3    | 0.68    | 0.064   | 0.157   |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           | 29.6    | 0.58    | 0.045   | 0.137   |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           | 36.4    | 0.73    | 0.077   | 0.179   |
| OREAS 146                  | 232     |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| OREAS 146                  | 234     |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound | 204     |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                | 254     |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| OREAS 218                  |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| OREAS 220                  |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| OREAS 501b                 |         |           |           |           |           |           |           |           |           |           |           | 19.2    | 1.52    | 0.014   | 0.189   |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           | 16.9    | 1.43    | 0.006   |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           | 20.9    | 1.77    | 0.030   |         |
| OREAS 602                  | >100    | 24.9      | 10        | 4970      | 20        | 4         | 58        | 1010      | 4         | 4040      |           |         |         |         |         |
| Target Range - Lower Bound | 107.5   | 21.7      | 7         | 4790      | <10       | 2         | 53        | 918       | 2         | 3770      |           |         |         |         |         |
| Upper Bound                | 100.0   | 27.7      | 12        | 5510      | 40        | 7         | 67        | 1125      | 6         | 4610      |           |         |         |         |         |
| OREAS-45e                  |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| SY-4                       | 650     |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound | 543     |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                | 668     |           |           |           |           |           |           |           |           |           |           |         |         |         |         |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19303449**

| Sample Description         | Method Analyte Units LOD | ME-MS42 Re ppm | ME-MS42 Sb ppm | ME-MS42 Sc ppm | ME-MS42 Se ppm | ME-MS42 Te ppm | ME-MS42 Tl ppm | S-IR08 S % | C-IR07 C % |
|----------------------------|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|------------|------------|
| <b>STANDARDS</b>           |                          |                |                |                |                |                |                |            |            |
| AMIS0547                   |                          |                |                |                |                |                |                |            |            |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |            |            |
| Upper Bound                |                          |                |                |                |                |                |                |            |            |
| GS310-10                   |                          |                |                |                |                |                |                | 0.26       | 1.06       |
| GS310-10                   |                          |                |                |                |                |                |                | 0.26       |            |
| Target Range - Lower Bound |                          |                |                |                |                |                |                | 0.25       |            |
| Upper Bound                |                          |                |                |                |                |                |                | 0.29       |            |
| MA-1b                      |                          |                |                |                |                |                |                | 1.15       | 2.43       |
| MA-1b                      |                          |                |                |                |                |                |                | 1.15       |            |
| Target Range - Lower Bound |                          |                |                |                |                |                |                | 1.12       |            |
| Upper Bound                |                          |                |                |                |                |                |                | 1.22       |            |
| MRGeo08                    |                          |                |                |                |                |                |                |            |            |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |            |            |
| Upper Bound                |                          |                |                |                |                |                |                |            |            |
| MRGeo08                    |                          | 0.009          | 2.94           | 6.8            | 0.6            | 0.01           | 0.84           |            |            |
| Target Range - Lower Bound |                          | 0.006          | 2.80           | 6.7            | 0.6            | <0.01          | 0.64           |            |            |
| Upper Bound                |                          | 0.010          | 3.90           | 8.4            | 1.5            | 0.04           | 0.92           |            |            |
| OREAS 146                  |                          |                |                |                |                |                |                |            |            |
| OREAS 146                  |                          |                |                |                |                |                |                |            |            |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |            |            |
| Upper Bound                |                          |                |                |                |                |                |                |            |            |
| OREAS 218                  |                          |                |                |                |                |                |                |            |            |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |            |            |
| Upper Bound                |                          |                |                |                |                |                |                |            |            |
| OREAS 220                  |                          |                |                |                |                |                |                |            |            |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |            |            |
| Upper Bound                |                          |                |                |                |                |                |                |            |            |
| OREAS 501b                 |                          | 0.003          | 0.42           | 6.9            | 2.8            | 0.06           | 0.68           |            |            |
| Target Range - Lower Bound |                          |                | 0.34           | 6.3            | 2.2            | 0.05           | 0.57           |            |            |
| Upper Bound                |                          |                | 0.64           | 7.9            | 3.3            | 0.10           | 0.81           |            |            |
| OREAS 602                  |                          |                |                |                |                |                |                |            |            |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |            |            |
| Upper Bound                |                          |                |                |                |                |                |                |            |            |
| OREAS-45e                  |                          |                |                |                |                |                |                |            |            |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |            |            |
| Upper Bound                |                          |                |                |                |                |                |                |            |            |
| SY-4                       |                          |                |                |                |                |                |                |            |            |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |            |            |
| Upper Bound                |                          |                |                |                |                |                |                |            |            |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19303449**

| Method Analyte Units LOD   | ME-XRF26 Al2O3 % 0.01 | ME-XRF26 BaO % 0.01 | ME-XRF26 CaO % 0.01 | ME-XRF26 Cr2O3 % 0.01 | ME-XRF26 Fe2O3 % 0.01 | ME-XRF26 K2O % 0.01 | ME-XRF26 MgO % 0.01 | ME-XRF26 MnO % 0.01 | ME-XRF26 Na2O % 0.01 | ME-XRF26 P2O5 % 0.01 | ME-XRF26 SiO2 % 0.01 | ME-XRF26 SrO % 0.01 | ME-XRF26 TiO2 % 0.01 | OA-GRA05x LOI 1000 % 0.01 | ME-XRF26 Total % 0.01 |
|----------------------------|-----------------------|---------------------|---------------------|-----------------------|-----------------------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|---------------------|----------------------|---------------------------|-----------------------|
| <b>BLANKS</b>              |                       |                     |                     |                       |                       |                     |                     |                     |                      |                      |                      |                     |                      |                           |                       |
| BLANK                      |                       |                     |                     |                       |                       |                     |                     |                     |                      |                      |                      |                     |                      |                           |                       |
| Target Range - Lower Bound |                       |                     |                     |                       |                       |                     |                     |                     |                      |                      |                      |                     |                      |                           |                       |
| Upper Bound                |                       |                     |                     |                       |                       |                     |                     |                     |                      |                      |                      |                     |                      |                           |                       |
| BLANK                      |                       |                     |                     |                       |                       |                     |                     |                     |                      |                      |                      |                     |                      |                           |                       |
| Target Range - Lower Bound |                       |                     |                     |                       |                       |                     |                     |                     |                      |                      |                      |                     |                      |                           |                       |
| Upper Bound                |                       |                     |                     |                       |                       |                     |                     |                     |                      |                      |                      |                     |                      |                           |                       |
| BLANK                      |                       |                     |                     |                       |                       |                     |                     |                     |                      |                      |                      |                     |                      |                           |                       |
| BLANK                      |                       |                     |                     |                       |                       |                     |                     |                     |                      |                      |                      |                     |                      |                           |                       |
| Target Range - Lower Bound |                       |                     |                     |                       |                       |                     |                     |                     |                      |                      |                      |                     |                      |                           |                       |
| Upper Bound                |                       |                     |                     |                       |                       |                     |                     |                     |                      |                      |                      |                     |                      |                           |                       |
| BLANK                      | <0.01                 | <0.01               | <0.01               | <0.01                 | <0.01                 | <0.01               | 0.01                | <0.01               | 0.01                 | <0.01                | >100.0               | <0.01               | <0.01                |                           | 100.05                |
| Target Range - Lower Bound | <0.01                 | <0.01               | <0.01               | <0.01                 | <0.01                 | <0.01               | <0.01               | <0.01               | <0.01                | <0.01                | <0.01                | <0.01               | <0.01                |                           | <0.01                 |
| Upper Bound                | 0.02                  | 0.02                | 0.02                | 0.02                  | 0.02                  | 0.02                | 0.02                | 0.02                | 0.02                 | 0.02                 | 0.02                 | 0.02                | 0.02                 |                           | 0.02                  |
| BLANK                      |                       |                     |                     |                       |                       |                     |                     |                     |                      |                      |                      |                     |                      |                           |                       |
| Target Range - Lower Bound |                       |                     |                     |                       |                       |                     |                     |                     |                      |                      |                      |                     |                      |                           |                       |
| Upper Bound                |                       |                     |                     |                       |                       |                     |                     |                     |                      |                      |                      |                     |                      |                           |                       |
| BLANK                      |                       |                     |                     |                       |                       |                     |                     |                     |                      |                      |                      |                     |                      |                           |                       |
| BLANK                      |                       |                     |                     |                       |                       |                     |                     |                     |                      |                      |                      |                     |                      |                           |                       |
| Target Range - Lower Bound |                       |                     |                     |                       |                       |                     |                     |                     |                      |                      |                      |                     |                      |                           |                       |
| Upper Bound                |                       |                     |                     |                       |                       |                     |                     |                     |                      |                      |                      |                     |                      |                           |                       |
| <b>DUPLICATES</b>          |                       |                     |                     |                       |                       |                     |                     |                     |                      |                      |                      |                     |                      |                           |                       |
| ORIGINAL                   |                       |                     |                     |                       |                       |                     |                     |                     |                      |                      |                      |                     |                      |                           |                       |
| DUP                        |                       |                     |                     |                       |                       |                     |                     |                     |                      |                      |                      |                     |                      |                           |                       |
| Target Range - Lower Bound |                       |                     |                     |                       |                       |                     |                     |                     |                      |                      |                      |                     |                      |                           |                       |
| Upper Bound                |                       |                     |                     |                       |                       |                     |                     |                     |                      |                      |                      |                     |                      |                           |                       |
| ORIGINAL                   |                       |                     |                     |                       |                       |                     |                     |                     |                      |                      |                      |                     |                      |                           |                       |
| DUP                        |                       |                     |                     |                       |                       |                     |                     |                     |                      |                      |                      |                     |                      |                           |                       |
| Target Range - Lower Bound |                       |                     |                     |                       |                       |                     |                     |                     |                      |                      |                      |                     |                      |                           |                       |
| Upper Bound                |                       |                     |                     |                       |                       |                     |                     |                     |                      |                      |                      |                     |                      |                           |                       |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM19303449**

| Method Analyte Units LOD   | ME-MS81 Ba ppm | ME-MS81 Ce ppm | ME-MS81 Cr ppm | ME-MS81 Cs ppm | ME-MS81 Dy ppm | ME-MS81 Er ppm | ME-MS81 Eu ppm | ME-MS81 Ga ppm | ME-MS81 Gd ppm | ME-MS81 Ge ppm | ME-MS81 Hf ppm | ME-MS81 Ho ppm | ME-MS81 La ppm | ME-MS81 Lu ppm | ME-MS81 Nb ppm |
|----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Sample Description         | 0.5            | 0.1            | 10             | 0.01           | 0.05           | 0.03           | 0.03           | 0.1            | 0.05           | 5              | 0.2            | 0.01           | 0.1            | 0.01           | 0.2            |
| <b>BLANKS</b>              |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      | 2.3            | <0.1           | <10            | <0.01          | <0.05          | <0.03          | <0.03          | <0.1           | 0.05           | <5             | <0.2           | 0.01           | <0.1           | 0.01           | <0.2           |
| BLANK                      | 0.9            | <0.1           | <10            | <0.01          | <0.05          | <0.03          | <0.03          | 0.1            | <0.05          | <5             | <0.2           | <0.01          | <0.1           | <0.01          | <0.2           |
| Target Range - Lower Bound | <0.5           | <0.1           | <10            | <0.01          | <0.05          | <0.03          | <0.03          | <0.1           | <0.05          |                | <0.2           | <0.01          | <0.1           | <0.01          | <0.2           |
| Upper Bound                | 1.0            | 0.2            | 20             | 0.02           | 0.10           | 0.06           | 0.06           | 0.2            | 0.10           |                | 0.4            | 0.02           | 0.2            | 0.02           | 0.4            |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| <b>DUPLICATES</b>          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| ORIGINAL                   | 909            | 9.5            | 220            | 2.93           | 5.08           | 3.09           | 1.04           | 18.0           | 4.45           | <5             | 2.1            | 1.16           | 3.5            | 0.44           | 1.9            |
| DUP                        | 877            | 9.5            | 250            | 2.78           | 5.17           | 3.29           | 1.34           | 19.6           | 4.17           | <5             | 2.0            | 1.14           | 3.4            | 0.47           | 2.1            |
| Target Range - Lower Bound | 848            | 8.9            | 210            | 2.70           | 4.82           | 3.00           | 1.10           | 17.8           | 4.04           | <5             | 1.7            | 1.08           | 3.2            | 0.42           | 1.7            |
| Upper Bound                | 938            | 10.1           | 260            | 3.01           | 5.43           | 3.38           | 1.28           | 19.8           | 4.58           | 10             | 2.4            | 1.22           | 3.7            | 0.49           | 2.3            |
| ORIGINAL                   | 800            | 47.0           | 20             | 6.67           | 8.88           | 6.38           | 0.76           | 21.5           | 7.93           | <5             | 5.8            | 1.94           | 23.2           | 1.02           | 12.7           |
| DUP                        | 794            | 46.4           | 20             | 6.68           | 8.74           | 6.05           | 0.73           | 21.1           | 7.43           | <5             | 5.5            | 1.94           | 23.2           | 0.97           | 12.6           |
| Target Range - Lower Bound | 757            | 44.3           | <10            | 6.33           | 8.32           | 5.87           | 0.68           | 20.1           | 7.25           | <5             | 5.2            | 1.83           | 21.9           | 0.94           | 11.8           |
| Upper Bound                | 837            | 49.1           | 30             | 7.02           | 9.30           | 6.56           | 0.81           | 22.5           | 8.11           | 10             | 6.1            | 2.05           | 24.5           | 1.05           | 13.5           |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
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 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19303449**

| Sample Description         | Method Analyte Units LOD   | ME-MS81 Nd ppm | ME-MS81 Pr ppm | ME-MS81 Rb ppm | ME-MS81 Sm ppm | ME-MS81 Sn ppm | ME-MS81 Sr ppm | ME-MS81 Ta ppm | ME-MS81 Tb ppm | ME-MS81 Th ppm | ME-MS81 Tm ppm | ME-MS81 U ppm | ME-MS81 V ppm | ME-MS81 W ppm | ME-MS81 Y ppm | ME-MS81 Yb ppm |
|----------------------------|----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|
|                            |                            | 0.1            | 0.03           | 0.2            | 0.03           | 1              | 0.1            | 0.1            | 0.01           | 0.05           | 0.01           | 0.05          | 5             | 1             | 0.1           | 0.03           |
| <b>BLANKS</b>              |                            |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| BLANK                      | Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
|                            | Upper Bound                |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| BLANK                      | Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
|                            | Upper Bound                |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| BLANK                      |                            | <0.1           | <0.03          | <0.2           | 0.04           | <1             | 0.1            | 0.1            | 0.02           | <0.05          | 0.02           | <0.05         | <5            | 1             | <0.1          | 0.03           |
| BLANK                      |                            | <0.1           | <0.03          | <0.2           | <0.03          | <1             | 0.1            | <0.1           | <0.01          | <0.05          | <0.01          | <0.05         | <5            | <1            | <0.1          | <0.03          |
| Target Range - Lower Bound |                            | <0.1           | <0.03          | <0.2           | <0.03          | <1             | <0.1           | <0.1           | <0.01          | <0.05          | <0.01          | <0.05         | <5            | <1            | <0.1          | <0.03          |
| Upper Bound                |                            | 0.2            | 0.06           | 0.4            | 0.06           | 2              | 0.2            | 0.2            | 0.02           | 0.10           | 0.02           | 0.10          | 10            | 2             | 0.2           | 0.06           |
| BLANK                      | Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
|                            | Upper Bound                |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| BLANK                      | Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
|                            | Upper Bound                |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| BLANK                      | Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
|                            | Upper Bound                |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| <b>DUPLICATES</b>          |                            |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| ORIGINAL                   |                            | 9.7            | 1.72           | 42.9           | 3.42           | 1              | 236            | <0.1           | 0.82           | 0.26           | 0.47           | 0.29          | 321           | 1             | 28.7          | 3.09           |
| DUP                        |                            | 9.0            | 1.71           | 44.9           | 3.10           | 1              | 247            | 0.5            | 0.76           | 0.30           | 0.50           | 0.29          | 374           | 1             | 30.2          | 3.11           |
| Target Range - Lower Bound |                            | 8.8            | 1.60           | 41.5           | 3.07           | <1             | 229            | 0.2            | 0.74           | 0.22           | 0.45           | 0.23          | 325           | <1            | 27.9          | 2.92           |
| Upper Bound                |                            | 9.9            | 1.83           | 46.3           | 3.45           | 2              | 254            | 0.4            | 0.84           | 0.34           | 0.52           | 0.35          | 370           | 2             | 31.0          | 3.29           |
| ORIGINAL                   |                            | 27.7           | 6.49           | 139.5          | 6.44           | 2              | 25.9           | 1.9            | 1.37           | 4.53           | 0.96           | 4.95          | 135           | 4             | 62.7          | 6.16           |
| DUP                        |                            | 27.8           | 6.52           | 136.0          | 6.88           | 2              | 26.0           | 1.3            | 1.33           | 4.55           | 0.91           | 4.92          | 132           | 3             | 60.9          | 6.15           |
| Target Range - Lower Bound |                            | 26.3           | 6.15           | 130.5          | 6.30           | <1             | 24.6           | 1.4            | 1.27           | 4.26           | 0.88           | 4.64          | 122           | 2             | 58.6          | 5.82           |
| Upper Bound                |                            | 29.2           | 6.86           | 145.0          | 7.02           | 3              | 27.3           | 1.8            | 1.43           | 4.82           | 0.99           | 5.23          | 145           | 5             | 65.0          | 6.49           |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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**QC CERTIFICATE OF ANALYSIS TM19303449**

| Method Analyte Units LOD   | ME-MS81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 |
|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|---------|---------|
| Sample Description         | Zr ppm  | Ag ppm    | Cd ppm    | Co ppm    | Cu ppm    | Li ppm    | Mo ppm    | Ni ppm    | Pb ppm    | Sc ppm    | Zn ppm    | As ppm    | Bi ppm  | Hg ppm  | In ppm  |         |
|                            | 2       | 0.5       | 0.5       | 1         | 1         | 10        | 1         | 1         | 2         | 1         | 2         | 0.1       | 0.01    | 0.005   | 0.005   |         |
| <b>BLANKS</b>              |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| BLANK                      | <0.5    | <0.5      | <1        | 1         | <10       | <1        | <1        | <2        | <1        | <2        | <0.1      | <0.01     | <0.005  | <0.005  |         |         |
| Target Range - Lower Bound | <0.5    | <0.5      | <1        | <1        |           | <1        | <1        | <2        |           | <2        |           |           |         |         |         |         |
| Upper Bound                | 1.0     | 1.0       | 2         | 2         |           | 2         | 2         | 4         |           | 4         |           |           |         |         |         |         |
| BLANK                      | <2      |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound | <2      |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                | 4       |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| BLANK                      |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| BLANK                      |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| BLANK                      |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| <b>DUPLICATES</b>          |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| ORIGINAL                   | 71      |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| DUP                        | 73      |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound | 66      |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                | 78      |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| ORIGINAL                   | 221     |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| DUP                        | 213     |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound | 204     |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                | 230     |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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| <b>QC CERTIFICATE OF ANALYSIS TM19303449</b> |
|----------------------------------------------|

| Sample Description         | Method Analyte Units LOD | ME-MS42<br>Re<br>ppm<br>0.001 | ME-MS42<br>Sb<br>ppm<br>0.05 | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02 | S-IR08<br>S<br>%<br>0.01 | C-IR07<br>C<br>%<br>0.01 |
|----------------------------|--------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------|--------------------------|
| <b>BLANKS</b>              |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          | <0.001                        | <0.05                        | <0.1                        | <0.2                        | <0.01                        | <0.02                        |                          |                          |
| Target Range - Lower Bound |                          | <0.001                        | <0.05                        | <0.1                        | <0.2                        | <0.01                        | <0.02                        |                          |                          |
| Upper Bound                |                          | 0.002                         | 0.10                         | 0.2                         | 0.4                         | 0.02                         | 0.04                         |                          |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              | 0.01                         | <0.01                    |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              | <0.01                        |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              | <0.01                        |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              | 0.02                         |                          |                          |
| <b>DUPLICATES</b>          |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| ORIGINAL                   |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| DUP                        |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| ORIGINAL                   |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| DUP                        |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |



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 North Vancouver BC V7H 0A7  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19303449**

| Sample Description         | Method Analyte Units LOD | ME-XRF26 Al2O3 %  | ME-XRF26 BaO % | ME-XRF26 CaO % | ME-XRF26 Cr2O3 % | ME-XRF26 Fe2O3 % | ME-XRF26 K2O % | ME-XRF26 MgO % | ME-XRF26 MnO % | ME-XRF26 Na2O % | ME-XRF26 P2O5 % | ME-XRF26 SiO2 % | ME-XRF26 SrO % | ME-XRF26 TiO2 % | OA-GRA05x LOI 1000 % | ME-XRF26 Total % |
|----------------------------|--------------------------|-------------------|----------------|----------------|------------------|------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------------|------------------|
|                            |                          | 0.01              | 0.01           | 0.01           | 0.01             | 0.01             | 0.01           | 0.01           | 0.01           | 0.01            | 0.01            | 0.01            | 0.01           | 0.01            | 0.01                 | 0.01             |
|                            |                          | <b>DUPLICATES</b> |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| W933095                    |                          | 14.63             | 0.25           | 3.71           | 0.01             | 3.77             | 3.00           | 2.02           | 0.08           | 5.18            | 0.26            | 60.25           | 0.06           | 0.35            | 5.48                 | 101.30           |
| DUP                        |                          | 14.76             | 0.25           | 3.75           | <0.01            | 3.84             | 3.06           | 2.03           | 0.08           | 5.23            | 0.26            | 60.72           | 0.06           | 0.36            | 5.39                 | 102.25           |
| Target Range - Lower Bound |                          | 14.46             | 0.23           | 3.66           | <0.01            | 3.74             | 2.94           | 1.98           | 0.07           | 5.06            | 0.24            | 59.57           | 0.05           | 0.34            | 5.29                 | 100.75           |
| Upper Bound                |                          | 14.93             | 0.27           | 3.80           | 0.02             | 3.87             | 3.12           | 2.07           | 0.09           | 5.35            | 0.28            | 61.40           | 0.07           | 0.37            | 5.58                 | 102.80           |
| W933602                    |                          |                   |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| DUP                        |                          |                   |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                   |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                   |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| W933677                    |                          |                   |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| DUP                        |                          |                   |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                   |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                   |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| ORIGINAL                   |                          |                   |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| DUP                        |                          |                   |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                   |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                   |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| ORIGINAL                   |                          |                   |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| DUP                        |                          |                   |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                   |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                   |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19303449**

| Sample Description                                           | Method | Analyte | Units | LOD | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |     |      |     |     |
|--------------------------------------------------------------|--------|---------|-------|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----|------|-----|-----|
|                                                              |        |         |       |     | Ba      | Ce      | Cr      | Cs      | Dy      | Er      | Eu      | Ga      | Gd      | Ge      | Hf      | Ho      | La  | Lu   | Nb  |     |
|                                                              |        |         |       |     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm | ppm  | ppm | ppm |
|                                                              |        |         |       |     | 0.5     | 0.1     | 10      | 0.01    | 0.05    | 0.03    | 0.03    | 0.1     | 0.05    | 5       | 0.2     | 0.01    | 0.1 | 0.01 | 0.2 |     |
| <b>DUPLICATES</b>                                            |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |     |      |     |     |
| W933095<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |     |      |     |     |
| W933602<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |     |      |     |     |
| W933677<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |     |      |     |     |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |     |      |     |     |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |     |      |     |     |
|                                                              |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |     |      |     |     |



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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19303449**

| Sample Description                                           | Method | Analyte | Units | LOD | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |     |     |     |      |
|--------------------------------------------------------------|--------|---------|-------|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----|-----|-----|------|
|                                                              |        |         |       |     | Nd      | Pr      | Rb      | Sm      | Sn      | Sr      | Ta      | Tb      | Th      | Tm      | U       | V   | W   | Y   | Yb   |
|                                                              |        |         |       |     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm | ppm | ppm | ppm  |
|                                                              |        |         |       |     | 0.1     | 0.03    | 0.2     | 0.03    | 1       | 0.1     | 0.1     | 0.01    | 0.05    | 0.01    | 0.05    | 5   | 1   | 0.1 | 0.03 |
| <b>DUPLICATES</b>                                            |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |     |      |
| W933095<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |     |      |
| W933602<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |     |      |
| W933677<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |     |      |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |     |      |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |     |      |
|                                                              |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |     |      |

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 North Vancouver BC V7H 0A7  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19303449**

| Sample Description                                           | Method Analyte Units LOD | ME-MS81<br>Zr<br>ppm<br>2 | ME-4ACD81<br>Ag<br>ppm<br>0.5 | ME-4ACD81<br>Cd<br>ppm<br>0.5 | ME-4ACD81<br>Co<br>ppm<br>1        | ME-4ACD81<br>Cu<br>ppm<br>1 | ME-4ACD81<br>Li<br>ppm<br>10 | ME-4ACD81<br>Mo<br>ppm<br>1 | ME-4ACD81<br>Ni<br>ppm<br>1 | ME-4ACD81<br>Pb<br>ppm<br>2 | ME-4ACD81<br>Sc<br>ppm<br>1 | ME-4ACD81<br>Zn<br>ppm<br>2 | ME-MS42<br>As<br>ppm<br>0.1 | ME-MS42<br>Bi<br>ppm<br>0.01 | ME-MS42<br>Hg<br>ppm<br>0.005       | ME-MS42<br>In<br>ppm<br>0.005    |  |
|--------------------------------------------------------------|--------------------------|---------------------------|-------------------------------|-------------------------------|------------------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------------|----------------------------------|--|
| <b>DUPLICATES</b>                                            |                          |                           |                               |                               |                                    |                             |                              |                             |                             |                             |                             |                             |                             |                              |                                     |                                  |  |
| W933095<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                           |                               |                               |                                    |                             |                              |                             |                             |                             |                             |                             |                             |                              |                                     |                                  |  |
| W933602<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                           |                               |                               |                                    |                             |                              |                             |                             |                             |                             |                             | 0.3<br>0.3<br>0.2<br>0.4    | 0.45<br>0.42<br>0.40<br>0.47 | <0.005<br><0.005<br><0.005<br>0.010 | 0.019<br>0.018<br>0.013<br>0.024 |  |
| W933677<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                           |                               |                               |                                    |                             |                              |                             |                             |                             |                             |                             |                             |                              |                                     |                                  |  |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                           |                               |                               |                                    |                             |                              |                             |                             |                             |                             |                             |                             |                              |                                     |                                  |  |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | 1.0<br>0.9<br><0.5<br>1.0 | 0.6<br>0.5<br><0.5<br>1.0     | 6<br>6<br>5<br>7              | >10000<br>>10000<br>9650<br>>10000 | 10<br>10<br><10<br>20       | 190<br>190<br>180<br>201     | 21<br>23<br>20<br>24        | 542<br>566<br>524<br>584    | 18<br>20<br>17<br>21        | 42<br>42<br>38<br>46        |                             |                             |                              |                                     |                                  |  |



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19303449**

| Sample Description                                           | Method Analyte Units LOD | ME-MS42 Re ppm                      | ME-MS42 Sb ppm                  | ME-MS42 Sc ppm           | ME-MS42 Se ppm           | ME-MS42 Te ppm               | ME-MS42 Tl ppm                | S-IR08 S %                    | C-IR07 C %                    |
|--------------------------------------------------------------|--------------------------|-------------------------------------|---------------------------------|--------------------------|--------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|
| <b>DUPLICATES</b>                                            |                          |                                     |                                 |                          |                          |                              |                               |                               |                               |
| W933095<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | 0.001                               | 0.05                            | 0.1                      | 0.2                      | 0.01                         | 0.02                          | 0.01                          | 0.01                          |
| W933602<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | <0.001<br><0.001<br><0.001<br>0.002 | <0.05<br><0.05<br><0.05<br>0.10 | 4.1<br>4.3<br>3.9<br>4.5 | 0.8<br>0.6<br>0.5<br>0.9 | 0.06<br>0.04<br>0.04<br>0.06 | 0.03<br>0.03<br><0.02<br>0.04 |                               |                               |
| W933677<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                                     |                                 |                          |                          |                              |                               | 0.72<br>0.73<br>0.70<br>0.75  |                               |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                                     |                                 |                          |                          |                              |                               | 0.01<br>0.01<br><0.01<br>0.02 | 0.01<br>0.01<br><0.01<br>0.02 |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                                     |                                 |                          |                          |                              |                               |                               |                               |

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2103 Dollarton Hwy  
North Vancouver BC V7H 0A7  
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM19303449**

### CERTIFICATE COMMENTS

#### LABORATORY ADDRESSES

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
C-IR07 FND-02 ME-4ACD81  
ME-MS81 ME-XRF26 OA-GRA05x

ME-MS42  
S-IR08



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 2103 Dollarton Hwy  
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**CERTIFICATE TM19309133**

Project: Golden Perimeter  
 P.O. No.: GP-280A-21  
 This report is for 100 Drill Core samples submitted to our lab in Timmins, ON, Canada on 5-DEC-2019.  
 The following have access to data associated with this certificate:

|                |              |              |
|----------------|--------------|--------------|
| IAN DUNLOP     | DARWIN GREEN | NEAL MAGUIRE |
| CONOR MCKINLEY |              |              |

| SAMPLE PREPARATION |                                 |
|--------------------|---------------------------------|
| ALS CODE           | DESCRIPTION                     |
| WEI-21             | Received Sample Weight          |
| LOG-21             | Sample logging - ClientBarCode  |
| CRU-QC             | Crushing QC Test                |
| PUL-QC             | Pulverizing QC Test             |
| CRU-31             | Fine crushing - 70% <2mm        |
| SPL-21             | Split sample - riffle splitter  |
| PUL-31             | Pulverize up to 250g 85% <75 um |
| LOG-23             | Pulp Login - Rcvd with Barcode  |

| ANALYTICAL PROCEDURES |                               |            |
|-----------------------|-------------------------------|------------|
| ALS CODE              | DESCRIPTION                   | INSTRUMENT |
| ME-ICP61              | 33 element four acid ICP-AES  | ICP-AES    |
| Au-AA26               | Ore Grade Au 50g FA AA finish | AAS        |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

**Signature:**   
 Saa Traxler, General Manager, North Vancouver



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19309133**

| Sample Description | Method  | WEI-21    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|---------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    | Analyte | Recvd Wt. | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga       |
|                    | Units   | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      |
|                    | LOD     | 0.02      | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       |
| W933648            |         | 0.64      | <0.01   | <0.5     | 7.03     | <5       | 2040     | 2.1      | <2       | 4.81     | <0.5     | 29       | 232      | 108      | 5.10     | 20       |
| W933649            |         | 0.57      | <0.01   | <0.5     | 2.43     | <5       | 20       | <0.5     | <2       | 4.21     | <0.5     | 88       | 1385     | 40       | 6.47     | 10       |
| W933650            |         | 0.38      | <0.01   | <0.5     | 1.04     | <5       | 40       | <0.5     | <2       | 0.23     | <0.5     | 3        | 18       | 4        | 1.08     | <10      |
| W933651            |         | 0.97      | 0.03    | <0.5     | 8.40     | <5       | 2530     | 1.8      | <2       | 1.98     | <0.5     | 15       | 50       | 30       | 3.10     | 20       |
| W933652            |         | 0.60      | <0.01   | <0.5     | 8.24     | <5       | 2690     | 2.5      | <2       | 2.64     | <0.5     | 12       | 47       | 34       | 2.78     | 20       |
| W933653            |         | 0.34      | 0.01    | <0.5     | 8.07     | <5       | 2330     | 2.0      | <2       | 2.71     | <0.5     | 14       | 58       | 93       | 3.07     | 20       |
| W933654            |         | 0.28      | 0.01    | <0.5     | 4.92     | <5       | 520      | <0.5     | <2       | 4.55     | <0.5     | 53       | 518      | 40       | 4.10     | 10       |
| W933655            |         | 0.66      | <0.01   | <0.5     | 3.85     | <5       | 1760     | 0.9      | <2       | 3.60     | <0.5     | 68       | 1010     | 97       | 5.49     | 10       |
| W933656            |         | 0.23      | <0.01   | <0.5     | 8.11     | <5       | 2130     | 1.1      | <2       | 3.05     | <0.5     | 20       | 93       | 40       | 3.28     | 20       |
| W933657            |         | 0.63      | 0.03    | <0.5     | 7.76     | <5       | 610      | 1.4      | <2       | 3.15     | <0.5     | 17       | 39       | 61       | 3.01     | 20       |
| W933658            |         | 0.39      | 0.01    | <0.5     | 6.77     | <5       | 330      | 1.1      | <2       | 2.94     | <0.5     | 12       | 17       | 37       | 2.67     | 20       |
| W933659            |         | 0.38      | 0.02    | <0.5     | 7.28     | <5       | 580      | 1.4      | <2       | 3.01     | <0.5     | 14       | 22       | 26       | 2.96     | 20       |
| W933660            |         | 0.06      | 4.08    | 0.6      | 6.64     | 18       | 320      | 1.0      | <2       | 4.23     | <0.5     | 48       | 316      | 95       | 6.89     | 20       |
| W933661            |         | 0.52      | 0.01    | <0.5     | 7.57     | <5       | 2680     | 1.7      | <2       | 2.80     | <0.5     | 13       | 31       | 26       | 2.85     | 20       |
| W933662            |         | 0.21      | 0.03    | <0.5     | 7.59     | <5       | 2560     | 1.9      | <2       | 2.66     | <0.5     | 14       | 32       | 56       | 2.88     | 20       |
| W933663            |         | 1.20      | <0.01   | <0.5     | 7.93     | <5       | 2640     | 1.6      | <2       | 2.65     | <0.5     | 12       | 33       | 49       | 2.96     | 20       |
| W933664            |         | 0.50      | 0.01    | <0.5     | 7.69     | <5       | 2600     | 2.0      | <2       | 2.68     | <0.5     | 12       | 36       | 25       | 2.92     | 20       |
| W933665            |         | 0.36      | <0.01   | <0.5     | 7.84     | <5       | 2560     | 1.9      | <2       | 2.53     | <0.5     | 13       | 34       | 12       | 2.92     | 20       |
| W933666            |         | 0.42      | 0.04    | <0.5     | 7.69     | <5       | 2600     | 2.1      | <2       | 2.97     | <0.5     | 13       | 35       | 31       | 2.89     | 20       |
| W933667            |         | 0.43      | 0.01    | <0.5     | 7.49     | <5       | 2520     | 1.8      | 4        | 2.26     | <0.5     | 15       | 31       | 26       | 2.86     | 20       |
| W933668            |         | 0.28      | 0.02    | <0.5     | 7.14     | <5       | 2450     | 1.9      | 3        | 2.94     | <0.5     | 12       | 28       | 50       | 2.70     | 20       |
| W933669            |         | 0.37      | 0.06    | <0.5     | 7.79     | <5       | 940      | 1.5      | <2       | 3.21     | <0.5     | 13       | 19       | 26       | 2.86     | 20       |
| W933670            |         | 0.30      | <0.01   | <0.5     | 1.26     | <5       | 20       | <0.5     | <2       | 0.02     | <0.5     | 2        | 13       | 1        | 0.69     | <10      |
| W933671            |         | 0.26      | 0.02    | <0.5     | 7.20     | <5       | 2360     | 1.9      | 3        | 2.80     | <0.5     | 11       | 31       | 39       | 2.76     | 20       |
| W933672            |         | 1.18      | <0.01   | <0.5     | 7.63     | <5       | 2490     | 1.8      | <2       | 2.47     | <0.5     | 13       | 31       | 42       | 2.88     | 20       |
| W933673            |         | 0.75      | 0.01    | <0.5     | 7.51     | <5       | 2560     | 1.8      | <2       | 2.52     | <0.5     | 12       | 28       | 28       | 2.83     | 20       |
| W933674            |         | 0.46      | 0.04    | <0.5     | 7.72     | <5       | 2390     | 1.9      | <2       | 2.81     | <0.5     | 12       | 27       | 58       | 2.74     | 20       |
| W933675            |         | 0.36      | 0.03    | <0.5     | 7.32     | <5       | 2620     | 1.9      | <2       | 3.18     | <0.5     | 12       | 28       | 51       | 2.71     | 20       |
| W933676            |         | 0.32      | 0.01    | <0.5     | 6.75     | <5       | 1680     | 2.0      | <2       | 4.34     | <0.5     | 19       | 118      | 35       | 3.45     | 20       |
| W933677            |         | 0.64      | <0.01   | <0.5     | 7.09     | <5       | 1730     | 2.1      | 4        | 3.26     | <0.5     | 22       | 87       | 20       | 3.78     | 20       |
| W933678            |         | 0.41      | 0.01    | <0.5     | 7.39     | <5       | 1770     | 1.9      | <2       | 3.20     | <0.5     | 20       | 82       | 26       | 3.69     | 20       |
| W933679            |         | 0.56      | 0.08    | <0.5     | 6.66     | <5       | 430      | 2.2      | 5        | 4.84     | <0.5     | 21       | 81       | 31       | 3.43     | 20       |
| W933680            |         | 0.06      | 0.53    | <0.5     | 6.83     | 9        | 140      | <0.5     | 3        | 6.61     | <0.5     | 44       | 156      | 153      | 7.91     | 10       |
| W933681            |         | 0.51      | 0.06    | <0.5     | 7.36     | <5       | 560      | 1.8      | <2       | 4.68     | <0.5     | 19       | 85       | 15       | 3.55     | 20       |
| W933682            |         | 1.08      | <0.01   | <0.5     | 7.00     | <5       | 1660     | 1.9      | <2       | 3.36     | <0.5     | 19       | 119      | 31       | 3.44     | 20       |
| W933683            |         | 0.22      | 0.01    | <0.5     | 6.76     | <5       | 1330     | 2.1      | <2       | 3.75     | <0.5     | 20       | 111      | 18       | 3.47     | 20       |
| W933684            |         | 0.31      | 0.01    | 0.7      | 6.77     | <5       | 2330     | 1.6      | 5        | 2.69     | <0.5     | 11       | 36       | 67       | 2.69     | 20       |
| W933685            |         | 0.58      | 0.01    | <0.5     | 7.54     | 5        | 2240     | 1.9      | <2       | 2.52     | <0.5     | 12       | 35       | 27       | 2.87     | 20       |
| W933686            |         | 1.23      | <0.01   | <0.5     | 7.92     | <5       | 2630     | 2.1      | 3        | 2.39     | <0.5     | 11       | 31       | 27       | 3.00     | 20       |
| W933687            |         | 0.66      | 0.01    | <0.5     | 7.42     | <5       | 2050     | 2.1      | 4        | 2.51     | <0.5     | 12       | 29       | 58       | 2.70     | 20       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19309133**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| W933648            |                          | 2.37     | 50       | 3.86     | 924      | <1       | 3.57     | 79       | 1820     | 21       | 0.16     | <5       | 19       | 1125     | <20      | 0.42 |
| W933649            |                          | 0.02     | 10       | 16.60    | 1085     | <1       | 0.02     | 1595     | 70       | <2       | 0.01     | <5       | 16       | 103      | <20      | 0.08 |
| W933650            |                          | 0.08     | 10       | 0.16     | 93       | <1       | 0.06     | 7        | 160      | <2       | 0.01     | <5       | 2        | 30       | <20      | 0.09 |
| W933651            |                          | 1.28     | 40       | 2.68     | 562      | <1       | 5.23     | 31       | 1470     | 25       | 0.24     | <5       | 9        | 829      | 20       | 0.18 |
| W933652            |                          | 2.66     | 40       | 1.38     | 591      | <1       | 4.16     | 21       | 1160     | 30       | 0.23     | <5       | 9        | 1705     | 20       | 0.21 |
| W933653            |                          | 1.56     | 50       | 1.74     | 638      | <1       | 4.82     | 35       | 1330     | 23       | 0.29     | <5       | 9        | 1010     | <20      | 0.21 |
| W933654            |                          | 0.67     | 20       | 10.50    | 1140     | 12       | 2.12     | 762      | 100      | 23       | 0.12     | <5       | 11       | 194      | <20      | 0.07 |
| W933655            |                          | 1.97     | 10       | 12.10    | 1030     | 1        | 0.96     | 1050     | 250      | 8        | 0.22     | <5       | 16       | 226      | <20      | 0.13 |
| W933656            |                          | 1.46     | 40       | 2.54     | 577      | <1       | 5.42     | 88       | 1330     | 85       | 0.38     | <5       | 10       | 782      | <20      | 0.19 |
| W933657            |                          | 0.84     | 50       | 1.64     | 614      | 1        | 5.34     | 32       | 1220     | 22       | 2.33     | <5       | 8        | 405      | <20      | 0.13 |
| W933658            |                          | 0.66     | 40       | 1.29     | 600      | <1       | 4.84     | 15       | 1260     | 22       | 2.20     | <5       | 7        | 381      | <20      | 0.07 |
| W933659            |                          | 0.98     | 40       | 1.25     | 621      | <1       | 5.24     | 17       | 1220     | 19       | 2.30     | <5       | 7        | 444      | <20      | 0.11 |
| W933660            |                          | 1.01     | 20       | 5.06     | 942      | 4        | 1.75     | 327      | 1620     | 2        | 0.05     | <5       | 20       | 420      | <20      | 0.95 |
| W933661            |                          | 2.65     | 40       | 1.28     | 645      | 1        | 3.62     | 15       | 1210     | 37       | 0.20     | <5       | 8        | 958      | <20      | 0.22 |
| W933662            |                          | 2.57     | 40       | 1.26     | 628      | 2        | 3.71     | 17       | 1210     | 26       | 0.70     | <5       | 8        | 732      | <20      | 0.21 |
| W933663            |                          | 2.50     | 40       | 1.36     | 623      | 2        | 3.67     | 18       | 1230     | 28       | 0.18     | <5       | 9        | 1120     | 20       | 0.22 |
| W933664            |                          | 2.55     | 40       | 1.32     | 620      | <1       | 3.74     | 16       | 1230     | 32       | 0.19     | <5       | 8        | 1185     | <20      | 0.22 |
| W933665            |                          | 2.44     | 40       | 1.36     | 589      | <1       | 3.53     | 16       | 1230     | 32       | 0.03     | <5       | 9        | 1260     | 20       | 0.21 |
| W933666            |                          | 2.43     | 40       | 1.32     | 654      | 1        | 3.92     | 16       | 1230     | 31       | 0.24     | <5       | 9        | 825      | <20      | 0.22 |
| W933667            |                          | 2.38     | 40       | 1.29     | 545      | 1        | 3.58     | 17       | 1190     | 31       | 0.14     | <5       | 8        | 971      | <20      | 0.20 |
| W933668            |                          | 2.28     | 40       | 1.20     | 642      | <1       | 3.93     | 15       | 1140     | 23       | 0.62     | <5       | 8        | 630      | <20      | 0.19 |
| W933669            |                          | 1.00     | 50       | 1.32     | 636      | 1        | 5.25     | 16       | 1520     | 43       | 2.27     | <5       | 8        | 412      | <20      | 0.11 |
| W933670            |                          | 0.05     | 20       | 0.01     | 29       | <1       | 0.02     | 1        | 60       | 3        | <0.01    | <5       | 1        | 27       | <20      | 0.03 |
| W933671            |                          | 2.47     | 40       | 1.19     | 620      | 1        | 3.87     | 15       | 1150     | 18       | 0.20     | <5       | 8        | 673      | <20      | 0.20 |
| W933672            |                          | 2.16     | 40       | 1.29     | 568      | <1       | 3.86     | 12       | 1210     | 35       | 0.33     | <5       | 8        | 893      | <20      | 0.19 |
| W933673            |                          | 2.09     | 40       | 1.27     | 614      | 1        | 4.12     | 15       | 1200     | 27       | 0.47     | <5       | 8        | 868      | <20      | 0.18 |
| W933674            |                          | 2.13     | 40       | 1.28     | 675      | 1        | 4.37     | 16       | 1260     | 24       | 0.88     | <5       | 8        | 496      | 20       | 0.17 |
| W933675            |                          | 2.08     | 40       | 1.23     | 728      | 1        | 4.23     | 16       | 1190     | 31       | 0.61     | <5       | 8        | 651      | <20      | 0.17 |
| W933676            |                          | 2.14     | 90       | 2.73     | 593      | 1        | 3.46     | 123      | 2720     | 21       | 0.73     | <5       | 9        | 657      | 20       | 0.30 |
| W933677            |                          | 2.44     | 90       | 2.60     | 600      | 2        | 3.82     | 102      | 2930     | 18       | 0.80     | <5       | 9        | 852      | 20       | 0.30 |
| W933678            |                          | 1.96     | 100      | 2.48     | 596      | 1        | 4.01     | 92       | 2740     | 15       | 0.83     | <5       | 9        | 760      | 20       | 0.29 |
| W933679            |                          | 1.09     | 90       | 2.58     | 733      | 4        | 4.27     | 114      | 2580     | 22       | 1.92     | <5       | 9        | 547      | 20       | 0.18 |
| W933680            |                          | 0.19     | <10      | 4.07     | 1300     | 1        | 2.14     | 93       | 410      | 4        | 0.15     | <5       | 41       | 114      | <20      | 0.62 |
| W933681            |                          | 1.22     | 100      | 2.83     | 808      | 8        | 4.85     | 126      | 2780     | 24       | 2.35     | <5       | 10       | 538      | 20       | 0.13 |
| W933682            |                          | 1.87     | 100      | 2.69     | 584      | 5        | 3.80     | 121      | 2710     | 13       | 0.28     | <5       | 9        | 681      | 20       | 0.26 |
| W933683            |                          | 1.72     | 90       | 2.53     | 559      | 4        | 3.67     | 115      | 2580     | 14       | 0.71     | <5       | 8        | 619      | <20      | 0.25 |
| W933684            |                          | 1.47     | 40       | 1.34     | 572      | 2        | 4.15     | 26       | 1210     | 41       | 0.70     | <5       | 7        | 581      | <20      | 0.17 |
| W933685            |                          | 1.99     | 50       | 1.37     | 602      | 1        | 3.96     | 17       | 1230     | 32       | 0.46     | <5       | 9        | 829      | <20      | 0.20 |
| W933686            |                          | 1.91     | 40       | 1.42     | 659      | 1        | 4.34     | 15       | 1220     | 25       | 0.42     | <5       | 9        | 1015     | <20      | 0.21 |
| W933687            |                          | 1.79     | 40       | 1.24     | 608      | 1        | 4.19     | 14       | 1120     | 23       | 0.87     | <5       | 8        | 496      | <20      | 0.19 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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**CERTIFICATE OF ANALYSIS TM19309133**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W933648            |                                   | <10      | <10      | 154      | <10      | 84       |
| W933649            |                                   | <10      | <10      | 100      | <10      | 59       |
| W933650            |                                   | <10      | <10      | 15       | <10      | 7        |
| W933651            |                                   | <10      | <10      | 76       | <10      | 56       |
| W933652            |                                   | <10      | <10      | 75       | <10      | 65       |
| W933653            |                                   | <10      | <10      | 82       | <10      | 61       |
| W933654            |                                   | <10      | <10      | 90       | <10      | 37       |
| W933655            |                                   | <10      | <10      | 116      | <10      | 88       |
| W933656            |                                   | <10      | <10      | 91       | <10      | 32       |
| W933657            |                                   | <10      | <10      | 44       | 10       | 38       |
| W933658            |                                   | <10      | <10      | 20       | 10       | 28       |
| W933659            |                                   | <10      | <10      | 35       | 10       | 34       |
| W933660            |                                   | <10      | <10      | 145      | <10      | 98       |
| W933661            |                                   | <10      | <10      | 77       | <10      | 66       |
| W933662            |                                   | <10      | <10      | 78       | <10      | 64       |
| W933663            |                                   | <10      | <10      | 78       | <10      | 67       |
| W933664            |                                   | <10      | <10      | 76       | 10       | 67       |
| W933665            |                                   | <10      | <10      | 75       | <10      | 69       |
| W933666            |                                   | <10      | <10      | 80       | 10       | 66       |
| W933667            |                                   | <10      | <10      | 77       | <10      | 63       |
| W933668            |                                   | <10      | <10      | 78       | 10       | 50       |
| W933669            |                                   | <10      | <10      | 31       | 10       | 34       |
| W933670            |                                   | <10      | <10      | 4        | <10      | 3        |
| W933671            |                                   | 10       | <10      | 81       | <10      | 56       |
| W933672            |                                   | <10      | <10      | 78       | <10      | 66       |
| W933673            |                                   | <10      | <10      | 72       | <10      | 56       |
| W933674            |                                   | <10      | <10      | 69       | <10      | 51       |
| W933675            |                                   | <10      | <10      | 70       | <10      | 54       |
| W933676            |                                   | <10      | <10      | 99       | <10      | 81       |
| W933677            |                                   | <10      | <10      | 87       | <10      | 82       |
| W933678            |                                   | <10      | <10      | 85       | <10      | 83       |
| W933679            |                                   | <10      | <10      | 75       | 10       | 77       |
| W933680            |                                   | <10      | <10      | 289      | <10      | 82       |
| W933681            |                                   | <10      | <10      | 86       | <10      | 86       |
| W933682            |                                   | <10      | <10      | 80       | <10      | 91       |
| W933683            |                                   | <10      | <10      | 87       | <10      | 78       |
| W933684            |                                   | <10      | <10      | 68       | <10      | 48       |
| W933685            |                                   | <10      | <10      | 77       | <10      | 62       |
| W933686            |                                   | <10      | <10      | 80       | <10      | 66       |
| W933687            |                                   | <10      | <10      | 73       | <10      | 53       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

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| Sample Description | Method  | WEI-21    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|---------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    | Analyte | Recvd Wt. | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga       |
|                    | Units   | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      |
|                    | LOD     | 0.02      | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       |
| W933688            |         | 0.25      | 0.14    | <0.5     | 8.07     | <5       | 2470     | 2.0      | <2       | 2.76     | <0.5     | 13       | 34       | 34       | 2.92     | 20       |
| W933689            |         | 0.47      | 0.01    | <0.5     | 7.70     | <5       | 2250     | 2.0      | 4        | 2.35     | <0.5     | 13       | 30       | 65       | 2.81     | 20       |
| W933690            |         | 0.34      | <0.01   | <0.5     | 1.10     | <5       | 20       | <0.5     | 2        | 0.02     | <0.5     | 2        | 24       | 1        | 0.93     | <10      |
| W933691            |         | 0.55      | 0.02    | <0.5     | 6.69     | <5       | 1390     | 1.7      | 3        | 2.79     | <0.5     | 9        | 25       | 57       | 2.46     | 20       |
| W933692            |         | 0.41      | 0.04    | <0.5     | 7.50     | <5       | 2210     | 1.9      | <2       | 2.71     | <0.5     | 11       | 30       | 22       | 2.76     | 20       |
| W933693            |         | 0.51      | 0.02    | <0.5     | 7.12     | <5       | 2370     | 1.9      | 5        | 2.65     | <0.5     | 10       | 29       | 47       | 2.70     | 20       |
| W933694            |         | 1.38      | <0.01   | <0.5     | 7.45     | <5       | 2480     | 2.0      | <2       | 2.46     | <0.5     | 12       | 30       | 25       | 2.89     | 20       |
| W933695            |         | 0.25      | 0.01    | <0.5     | 6.16     | <5       | 1970     | 1.5      | 6        | 1.90     | 0.9      | 14       | 26       | 1400     | 2.64     | 20       |
| W933696            |         | 0.23      | 0.01    | <0.5     | 7.07     | <5       | 2930     | 2.0      | 3        | 2.52     | <0.5     | 11       | 30       | 51       | 2.72     | 20       |
| W933697            |         | 0.73      | <0.01   | <0.5     | 7.83     | <5       | 2500     | 2.0      | 2        | 2.16     | <0.5     | 11       | 31       | 31       | 2.91     | 20       |
| W933698            |         | 0.21      | <0.01   | <0.5     | 7.39     | <5       | 2380     | 1.9      | <2       | 2.44     | <0.5     | 11       | 31       | 49       | 2.89     | 20       |
| W933699            |         | 0.68      | <0.01   | <0.5     | 7.88     | <5       | 2690     | 2.0      | 2        | 2.39     | <0.5     | 13       | 31       | 42       | 2.98     | 20       |
| W933700            |         | 0.06      | 0.53    | <0.5     | 6.78     | <5       | 140      | <0.5     | <2       | 6.69     | <0.5     | 45       | 155      | 153      | 7.89     | 10       |
| W933701            |         | 0.31      | 0.02    | 1.8      | 7.57     | <5       | 2480     | 2.0      | 10       | 2.57     | <0.5     | 13       | 32       | 34       | 2.81     | 20       |
| W933702            |         | 0.52      | 0.09    | <0.5     | 7.41     | <5       | 2900     | 2.0      | <2       | 2.47     | <0.5     | 12       | 30       | 13       | 2.96     | 20       |
| W933703            |         | 0.31      | 0.01    | <0.5     | 7.42     | <5       | 2420     | 2.2      | <2       | 2.18     | <0.5     | 12       | 36       | 28       | 2.85     | 20       |
| W933704            |         | 0.42      | 0.02    | <0.5     | 7.45     | <5       | 2410     | 2.3      | <2       | 2.64     | <0.5     | 11       | 32       | 60       | 2.86     | 20       |
| W933705            |         | 0.41      | <0.01   | <0.5     | 8.32     | <5       | 2890     | 2.2      | <2       | 2.44     | <0.5     | 12       | 34       | 54       | 3.27     | 20       |
| W933706            |         | 0.28      | 0.01    | <0.5     | 8.09     | <5       | 2340     | 2.4      | <2       | 2.38     | <0.5     | 13       | 32       | 88       | 2.91     | 20       |
| W933707            |         | 0.56      | 0.01    | <0.5     | 7.93     | <5       | 1260     | 2.2      | <2       | 2.40     | <0.5     | 12       | 28       | 17       | 2.52     | 20       |
| W933708            |         | 0.59      | 0.06    | <0.5     | 7.59     | <5       | 2420     | 2.2      | <2       | 2.46     | <0.5     | 12       | 30       | 69       | 2.88     | 20       |
| W933709            |         | 0.47      | <0.01   | <0.5     | 7.82     | <5       | 2580     | 2.3      | <2       | 2.14     | <0.5     | 13       | 32       | 59       | 2.99     | 20       |
| W933710            |         | 0.33      | <0.01   | <0.5     | 1.00     | <5       | 20       | <0.5     | <2       | 0.01     | <0.5     | 1        | 14       | 1        | 0.70     | <10      |
| W933711            |         | 0.27      | 0.01    | <0.5     | 7.54     | <5       | 2470     | 2.1      | <2       | 2.27     | <0.5     | 12       | 31       | 202      | 2.85     | 20       |
| W933712            |         | 0.52      | 0.22    | <0.5     | 7.51     | <5       | 2470     | 2.4      | <2       | 2.59     | <0.5     | 11       | 27       | 31       | 2.76     | 20       |
| W933713            |         | 0.39      | 0.91    | <0.5     | 6.98     | <5       | 1870     | 2.1      | <2       | 2.82     | <0.5     | 11       | 41       | 23       | 2.59     | 20       |
| W933714            |         | 0.50      | 0.10    | <0.5     | 7.29     | <5       | 2470     | 2.3      | <2       | 2.97     | <0.5     | 11       | 31       | 50       | 2.65     | 20       |
| W933715            |         | 0.36      | 0.08    | <0.5     | 7.49     | <5       | 1980     | 2.4      | <2       | 2.74     | <0.5     | 11       | 29       | 47       | 2.76     | 20       |
| W933716            |         | 0.32      | 0.01    | <0.5     | 7.22     | <5       | 2140     | 2.3      | <2       | 2.93     | <0.5     | 10       | 30       | 44       | 2.69     | 20       |
| W933717            |         | 0.51      | 0.33    | <0.5     | 7.10     | <5       | 2270     | 2.3      | <2       | 2.76     | <0.5     | 12       | 28       | 32       | 2.62     | 20       |
| W933718            |         | 0.79      | <0.01   | <0.5     | 7.60     | <5       | 2280     | 2.1      | <2       | 2.70     | <0.5     | 11       | 29       | 16       | 2.87     | 20       |
| W933719            |         | 0.58      | 0.01    | <0.5     | 7.37     | <5       | 2260     | 2.1      | <2       | 2.72     | <0.5     | 12       | 30       | 13       | 2.81     | 20       |
| W933720            |         | 0.06      | 0.54    | <0.5     | 7.24     | 8        | 150      | <0.5     | <2       | 7.12     | <0.5     | 47       | 167      | 164      | 8.43     | 20       |
| W933721            |         | 0.42      | 0.02    | <0.5     | 7.65     | <5       | 2500     | 2.3      | <2       | 3.01     | <0.5     | 12       | 42       | 22       | 2.99     | 20       |
| W933722            |         | 0.30      | 0.11    | 0.7      | 7.08     | <5       | 2910     | 2.2      | 2        | 3.10     | <0.5     | 12       | 29       | 26       | 2.78     | 20       |
| W933723            |         | 0.34      | 0.01    | <0.5     | 7.57     | <5       | 2300     | 2.0      | <2       | 2.70     | <0.5     | 11       | 29       | 29       | 2.86     | 20       |
| W933724            |         | 0.28      | 0.01    | 0.5      | 7.25     | <5       | 2840     | 1.9      | <2       | 3.36     | <0.5     | 11       | 29       | 42       | 2.74     | 20       |
| W933725            |         | 0.57      | <0.01   | <0.5     | 7.78     | <5       | 2780     | 1.8      | <2       | 2.77     | <0.5     | 12       | 35       | 22       | 2.99     | 20       |
| W933726            |         | 0.45      | 0.01    | <0.5     | 7.38     | <5       | 2230     | 2.0      | <2       | 3.18     | <0.5     | 11       | 31       | 75       | 2.86     | 20       |
| W933727            |         | 0.83      | 0.01    | <0.5     | 7.53     | <5       | 2300     | 2.0      | <2       | 2.63     | <0.5     | 12       | 30       | 68       | 2.85     | 20       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Plus Appendix Pages  
 Finalized Date: 21-DEC-2019  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19309133**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| W933688            |                          | 2.56     | 50       | 1.41     | 613      | <1       | 3.96     | 18       | 1340     | 30       | 0.42     | <5       | 9        | 675      | 20       | 0.23 |
| W933689            |                          | 1.83     | 40       | 1.29     | 598      | <1       | 4.35     | 15       | 1150     | 19       | 0.58     | <5       | 8        | 706      | <20      | 0.20 |
| W933690            |                          | 0.05     | 20       | 0.01     | 30       | <1       | 0.02     | 2        | 60       | 2        | <0.01    | <5       | 1        | 22       | <20      | 0.04 |
| W933691            |                          | 1.34     | 40       | 1.14     | 576      | <1       | 3.89     | 12       | 1010     | 41       | 0.94     | <5       | 7        | 402      | <20      | 0.15 |
| W933692            |                          | 2.46     | 40       | 1.26     | 640      | <1       | 3.86     | 15       | 1170     | 32       | 0.22     | <5       | 8        | 649      | <20      | 0.20 |
| W933693            |                          | 2.23     | 40       | 1.21     | 627      | <1       | 3.87     | 15       | 1120     | 30       | 0.35     | <5       | 7        | 583      | <20      | 0.19 |
| W933694            |                          | 2.53     | 30       | 1.29     | 614      | <1       | 3.80     | 16       | 1180     | 23       | 0.10     | <5       | 8        | 1090     | <20      | 0.22 |
| W933695            |                          | 1.66     | 40       | 1.03     | 482      | 2        | 3.17     | 15       | 920      | 33       | 0.70     | <5       | 7        | 615      | <20      | 0.14 |
| W933696            |                          | 1.52     | 30       | 1.21     | 599      | <1       | 4.20     | 14       | 1130     | 20       | 0.72     | <5       | 7        | 612      | <20      | 0.18 |
| W933697            |                          | 2.39     | 40       | 1.31     | 607      | <1       | 3.81     | 14       | 1170     | 30       | 0.21     | <5       | 8        | 1160     | 20       | 0.21 |
| W933698            |                          | 2.22     | 40       | 1.29     | 600      | <1       | 3.84     | 16       | 1160     | 33       | 0.25     | <5       | 8        | 968      | 20       | 0.21 |
| W933699            |                          | 2.57     | 40       | 1.35     | 605      | <1       | 3.85     | 17       | 1210     | 21       | 0.05     | <5       | 9        | 1420     | 20       | 0.22 |
| W933700            |                          | 0.19     | <10      | 4.12     | 1315     | 1        | 2.14     | 94       | 410      | 4        | 0.15     | <5       | 41       | 115      | <20      | 0.62 |
| W933701            |                          | 1.61     | 40       | 1.22     | 583      | <1       | 4.29     | 12       | 1160     | 137      | 0.96     | <5       | 8        | 700      | 20       | 0.19 |
| W933702            |                          | 2.19     | 40       | 1.27     | 594      | 1        | 3.92     | 16       | 1170     | 29       | 0.58     | <5       | 8        | 907      | <20      | 0.20 |
| W933703            |                          | 1.83     | 40       | 1.32     | 581      | <1       | 4.22     | 17       | 1240     | 23       | 0.67     | <5       | 8        | 686      | <20      | 0.19 |
| W933704            |                          | 2.20     | 40       | 1.29     | 611      | <1       | 4.17     | 16       | 1260     | 21       | 0.56     | <5       | 8        | 690      | <20      | 0.22 |
| W933705            |                          | 2.60     | 50       | 1.51     | 659      | <1       | 4.02     | 18       | 1400     | 23       | 0.07     | <5       | 10       | 1525     | 20       | 0.25 |
| W933706            |                          | 1.29     | 40       | 1.39     | 617      | <1       | 5.09     | 17       | 1260     | 27       | 1.31     | <5       | 10       | 747      | <20      | 0.21 |
| W933707            |                          | 0.50     | 40       | 1.12     | 564      | <1       | 6.26     | 16       | 1240     | 12       | 1.96     | <5       | 9        | 459      | <20      | 0.15 |
| W933708            |                          | 1.83     | 40       | 1.31     | 630      | <1       | 4.35     | 15       | 1240     | 22       | 0.86     | <5       | 8        | 647      | <20      | 0.19 |
| W933709            |                          | 2.45     | 40       | 1.37     | 622      | <1       | 3.63     | 16       | 1260     | 19       | 0.07     | <5       | 9        | 1595     | 20       | 0.23 |
| W933710            |                          | 0.06     | 10       | 0.01     | 33       | <1       | 0.02     | 1        | 50       | <2       | <0.01    | <5       | 1        | 27       | <20      | 0.03 |
| W933711            |                          | 2.23     | 40       | 1.26     | 614      | <1       | 3.85     | 14       | 1170     | 26       | 0.54     | <5       | 8        | 752      | <20      | 0.20 |
| W933712            |                          | 2.07     | 40       | 1.26     | 604      | <1       | 4.28     | 16       | 1220     | 21       | 1.01     | <5       | 8        | 551      | <20      | 0.21 |
| W933713            |                          | 2.20     | 40       | 1.23     | 552      | <1       | 3.36     | 15       | 1160     | 27       | 1.20     | <5       | 7        | 279      | <20      | 0.18 |
| W933714            |                          | 2.23     | 40       | 1.34     | 625      | <1       | 3.72     | 15       | 1180     | 16       | 1.10     | 5        | 8        | 387      | <20      | 0.21 |
| W933715            |                          | 2.06     | 40       | 1.26     | 573      | <1       | 4.06     | 15       | 1220     | 17       | 1.42     | <5       | 8        | 430      | <20      | 0.19 |
| W933716            |                          | 2.64     | 40       | 1.25     | 654      | <1       | 3.48     | 16       | 1180     | 15       | 0.30     | <5       | 7        | 641      | <20      | 0.21 |
| W933717            |                          | 2.51     | 40       | 1.20     | 577      | 2        | 3.13     | 15       | 1110     | 21       | 0.71     | <5       | 7        | 336      | <20      | 0.19 |
| W933718            |                          | 2.40     | 40       | 1.28     | 632      | <1       | 3.75     | 15       | 1210     | 28       | 0.18     | <5       | 8        | 766      | <20      | 0.22 |
| W933719            |                          | 2.27     | 40       | 1.24     | 638      | 1        | 3.84     | 15       | 1180     | 32       | 0.26     | <5       | 8        | 681      | <20      | 0.21 |
| W933720            |                          | 0.20     | 10       | 4.39     | 1390     | <1       | 2.26     | 104      | 450      | <2       | 0.16     | <5       | 44       | 129      | <20      | 0.67 |
| W933721            |                          | 2.40     | 40       | 1.40     | 703      | <1       | 3.57     | 22       | 1300     | 43       | 0.23     | <5       | 9        | 650      | <20      | 0.22 |
| W933722            |                          | 1.66     | 30       | 1.11     | 680      | 1        | 4.32     | 14       | 1140     | 40       | 0.89     | <5       | 7        | 581      | <20      | 0.19 |
| W933723            |                          | 2.48     | 30       | 1.23     | 633      | <1       | 3.84     | 16       | 1220     | 26       | 0.12     | <5       | 8        | 784      | <20      | 0.23 |
| W933724            |                          | 1.80     | 40       | 1.05     | 659      | <1       | 4.14     | 15       | 1200     | 36       | 0.47     | <5       | 7        | 726      | <20      | 0.20 |
| W933725            |                          | 2.39     | 40       | 1.29     | 576      | <1       | 3.65     | 17       | 1220     | 32       | 0.05     | <5       | 9        | 1050     | <20      | 0.23 |
| W933726            |                          | 2.32     | 40       | 1.12     | 652      | 1        | 3.80     | 15       | 1220     | 14       | 0.27     | <5       | 8        | 728      | <20      | 0.21 |
| W933727            |                          | 2.36     | 40       | 1.23     | 551      | <1       | 3.57     | 15       | 1130     | 30       | 0.08     | <5       | 8        | 878      | <20      | 0.20 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Total # Pages: 4 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 21-DEC-2019  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19309133**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W933688            |                                   | <10      | <10      | 79       | <10      | 67       |
| W933689            |                                   | <10      | <10      | 77       | <10      | 61       |
| W933690            |                                   | <10      | <10      | 6        | <10      | 2        |
| W933691            |                                   | <10      | <10      | 64       | <10      | 42       |
| W933692            |                                   | <10      | <10      | 78       | <10      | 61       |
| W933693            |                                   | <10      | <10      | 79       | <10      | 56       |
| W933694            |                                   | <10      | <10      | 81       | <10      | 61       |
| W933695            |                                   | <10      | <10      | 66       | <10      | 74       |
| W933696            |                                   | <10      | <10      | 75       | <10      | 63       |
| W933697            |                                   | <10      | <10      | 77       | <10      | 61       |
| W933698            |                                   | <10      | <10      | 80       | <10      | 67       |
| W933699            |                                   | <10      | <10      | 80       | <10      | 63       |
| W933700            |                                   | <10      | <10      | 290      | <10      | 82       |
| W933701            |                                   | <10      | <10      | 73       | <10      | 58       |
| W933702            |                                   | 10       | <10      | 75       | <10      | 60       |
| W933703            |                                   | <10      | <10      | 79       | <10      | 67       |
| W933704            |                                   | <10      | <10      | 77       | <10      | 54       |
| W933705            |                                   | <10      | <10      | 89       | <10      | 70       |
| W933706            |                                   | <10      | <10      | 76       | <10      | 62       |
| W933707            |                                   | <10      | <10      | 60       | <10      | 38       |
| W933708            |                                   | <10      | <10      | 77       | <10      | 59       |
| W933709            |                                   | <10      | <10      | 83       | <10      | 63       |
| W933710            |                                   | <10      | <10      | 4        | <10      | 2        |
| W933711            |                                   | <10      | <10      | 78       | <10      | 65       |
| W933712            |                                   | <10      | <10      | 72       | 10       | 58       |
| W933713            |                                   | <10      | <10      | 73       | 10       | 52       |
| W933714            |                                   | <10      | <10      | 76       | 10       | 55       |
| W933715            |                                   | <10      | <10      | 70       | <10      | 50       |
| W933716            |                                   | <10      | <10      | 78       | 10       | 54       |
| W933717            |                                   | <10      | <10      | 78       | 10       | 56       |
| W933718            |                                   | <10      | <10      | 78       | <10      | 66       |
| W933719            |                                   | <10      | <10      | 74       | 10       | 62       |
| W933720            |                                   | <10      | <10      | 310      | <10      | 89       |
| W933721            |                                   | <10      | <10      | 77       | 10       | 65       |
| W933722            |                                   | <10      | <10      | 70       | 10       | 52       |
| W933723            |                                   | <10      | <10      | 79       | <10      | 60       |
| W933724            |                                   | <10      | <10      | 72       | <10      | 50       |
| W933725            |                                   | <10      | <10      | 81       | <10      | 65       |
| W933726            |                                   | <10      | <10      | 80       | <10      | 58       |
| W933727            |                                   | <10      | <10      | 76       | <10      | 63       |





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19309133**

| Sample Description | Method Analyte Units LOD | WEI-21       | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|--------------------|--------------------------|--------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Recvd Wt. kg | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm |
|                    |                          | 0.02         | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10     |
| W933728            |                          | 0.36         | 0.01    | <0.5     | 7.90     | <5       | 2750     | 2.1      | <2       | 3.01     | <0.5     | 13       | 31       | 68       | 2.95     | 20     |
| W933729            |                          | 0.46         | 0.04    | 0.6      | 6.82     | <5       | 2470     | 2.2      | <2       | 3.07     | <0.5     | 9        | 29       | 57       | 2.47     | 20     |
| W933730            |                          | 0.24         | <0.01   | <0.5     | 1.09     | <5       | 20       | <0.5     | <2       | 0.02     | <0.5     | 1        | 17       | 1        | 0.89     | <10    |
| W933731            |                          | 0.26         | 0.19    | <0.5     | 7.58     | <5       | 2750     | 2.7      | <2       | 3.42     | <0.5     | 14       | 33       | 10       | 2.82     | 20     |
| W933732            |                          | 0.30         | <0.01   | <0.5     | 7.45     | <5       | 2450     | 2.1      | <2       | 2.72     | <0.5     | 11       | 30       | 11       | 2.86     | 20     |
| W933733            |                          | 0.88         | 0.07    | <0.5     | 7.49     | <5       | 2470     | 2.1      | <2       | 2.81     | <0.5     | 11       | 29       | 15       | 2.82     | 20     |
| W933734            |                          | 0.19         | 0.05    | <0.5     | 7.53     | <5       | 3070     | 2.1      | <2       | 3.05     | <0.5     | 12       | 29       | 36       | 2.85     | 20     |
| W933735            |                          | 0.76         | 0.01    | <0.5     | 7.36     | <5       | 2740     | 1.9      | <2       | 3.48     | <0.5     | 12       | 28       | 27       | 2.72     | 20     |
| W933736            |                          | 0.50         | 0.01    | <0.5     | 7.77     | <5       | 2560     | 1.9      | <2       | 2.54     | <0.5     | 12       | 30       | 34       | 2.88     | 20     |
| W933737            |                          | 0.24         | 0.01    | <0.5     | 7.75     | <5       | 3220     | 2.0      | <2       | 2.96     | <0.5     | 12       | 30       | 42       | 2.94     | 20     |
| W933738            |                          | 0.80         | <0.01   | <0.5     | 8.01     | <5       | 3040     | 1.9      | <2       | 2.27     | <0.5     | 12       | 30       | 20       | 2.96     | 20     |
| W933739            |                          | 0.42         | <0.01   | <0.5     | 7.87     | <5       | 2250     | 2.5      | <2       | 3.54     | <0.5     | 12       | 28       | 33       | 2.91     | 20     |
| W933740            |                          | 0.06         | 0.53    | <0.5     | 7.33     | 7        | 150      | <0.5     | 4        | 7.27     | <0.5     | 50       | 168      | 165      | 8.51     | 20     |
| W933741            |                          | 0.30         | <0.01   | <0.5     | 8.02     | <5       | 2700     | 2.2      | 3        | 3.07     | <0.5     | 11       | 31       | 46       | 3.05     | 20     |
| W933742            |                          | 1.03         | <0.01   | <0.5     | 8.03     | <5       | 2760     | 1.9      | <2       | 2.69     | <0.5     | 12       | 36       | 56       | 3.06     | 20     |
| W933743            |                          | 0.30         | <0.01   | <0.5     | 7.65     | <5       | 2560     | 1.7      | <2       | 2.87     | <0.5     | 11       | 27       | 34       | 2.89     | 20     |
| W933744            |                          | 0.42         | 0.01    | 0.7      | 6.54     | <5       | 440      | 1.5      | 3        | 3.47     | <0.5     | 10       | 20       | 43       | 2.63     | 10     |
| W933745            |                          | 0.67         | 0.01    | <0.5     | 7.75     | <5       | 2640     | 1.9      | 2        | 2.54     | <0.5     | 13       | 29       | 53       | 2.94     | 20     |
| W933746            |                          | 0.28         | 0.03    | <0.5     | 7.84     | <5       | 2580     | 1.9      | <2       | 2.54     | <0.5     | 12       | 29       | 69       | 2.99     | 20     |
| W933747            |                          | 0.48         | 0.01    | <0.5     | 7.93     | <5       | 2650     | 2.0      | 2        | 2.63     | <0.5     | 11       | 28       | 35       | 2.98     | 20     |



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**CERTIFICATE OF ANALYSIS TM19309133**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
|                    |                          | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01 |
| W933728            |                          | 2.87     | 40       | 1.11     | 559      | <1       | 3.66     | 16       | 1230     | 42       | 0.48     | <5       | 8        | 834      | <20      | 0.21 |
| W933729            |                          | 2.53     | 40       | 1.17     | 621      | <1       | 3.21     | 15       | 1120     | 25       | 0.35     | <5       | 7        | 518      | <20      | 0.21 |
| W933730            |                          | 0.04     | 20       | 0.01     | 38       | <1       | 0.02     | 2        | 90       | 2        | <0.01    | <5       | 1        | 24       | <20      | 0.03 |
| W933731            |                          | 2.89     | 40       | 1.25     | 654      | <1       | 3.17     | 18       | 1300     | 23       | 1.16     | <5       | 8        | 287      | <20      | 0.24 |
| W933732            |                          | 2.48     | 40       | 1.19     | 603      | <1       | 3.56     | 17       | 1210     | 38       | 0.11     | <5       | 8        | 920      | <20      | 0.22 |
| W933733            |                          | 2.52     | 40       | 1.06     | 587      | <1       | 3.59     | 15       | 1160     | 23       | 0.09     | <5       | 8        | 1015     | <20      | 0.22 |
| W933734            |                          | 1.80     | 40       | 1.19     | 612      | <1       | 3.99     | 15       | 1180     | 45       | 0.66     | <5       | 8        | 855      | <20      | 0.19 |
| W933735            |                          | 1.40     | 40       | 1.24     | 687      | <1       | 4.28     | 14       | 1170     | 30       | 0.67     | <5       | 8        | 854      | <20      | 0.19 |
| W933736            |                          | 2.31     | 40       | 1.34     | 581      | 1        | 3.79     | 15       | 1210     | 45       | 0.22     | <5       | 8        | 1125     | 20       | 0.22 |
| W933737            |                          | 2.74     | 40       | 1.22     | 540      | <1       | 3.55     | 15       | 1180     | 42       | 0.55     | <5       | 8        | 1055     | <20      | 0.21 |
| W933738            |                          | 2.57     | 40       | 1.31     | 452      | <1       | 3.60     | 15       | 1210     | 40       | 0.11     | <5       | 9        | 1330     | <20      | 0.22 |
| W933739            |                          | 2.44     | 40       | 1.41     | 666      | 2        | 3.56     | 18       | 1210     | 25       | 0.26     | <5       | 10       | 689      | <20      | 0.22 |
| W933740            |                          | 0.20     | <10      | 4.46     | 1435     | 1        | 2.29     | 105      | 450      | 2        | 0.15     | <5       | 45       | 122      | <20      | 0.68 |
| W933741            |                          | 2.28     | 50       | 1.40     | 664      | 1        | 3.94     | 15       | 1260     | 34       | 0.16     | <5       | 9        | 1230     | 20       | 0.23 |
| W933742            |                          | 2.63     | 50       | 1.44     | 663      | 1        | 3.86     | 18       | 1240     | 32       | 0.11     | <5       | 9        | 2310     | 20       | 0.24 |
| W933743            |                          | 1.55     | 50       | 1.32     | 628      | <1       | 4.11     | 15       | 1200     | 47       | 0.66     | <5       | 9        | 1225     | 20       | 0.19 |
| W933744            |                          | 0.57     | 40       | 1.14     | 683      | <1       | 4.13     | 13       | 1030     | 113      | 1.60     | <5       | 8        | 2740     | 20       | 0.11 |
| W933745            |                          | 1.96     | 40       | 1.31     | 580      | 8        | 4.10     | 16       | 1200     | 41       | 0.54     | <5       | 8        | 1070     | 20       | 0.21 |
| W933746            |                          | 2.49     | 50       | 1.36     | 605      | 3        | 3.87     | 16       | 1260     | 38       | 0.52     | <5       | 9        | 1095     | 20       | 0.23 |
| W933747            |                          | 2.65     | 50       | 1.35     | 635      | <1       | 3.99     | 13       | 1210     | 35       | 0.33     | <5       | 9        | 1140     | 20       | 0.23 |



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| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61        | ME-ICP61       | ME-ICP61      | ME-ICP61       | ME-ICP61       |
|--------------------|-----------------------------------|-----------------|----------------|---------------|----------------|----------------|
|                    |                                   | Tl<br>ppm<br>10 | U<br>ppm<br>10 | V<br>ppm<br>1 | W<br>ppm<br>10 | Zn<br>ppm<br>2 |
| W933728            |                                   | <10             | <10            | 92            | <10            | 64             |
| W933729            |                                   | <10             | <10            | 80            | 10             | 59             |
| W933730            |                                   | <10             | <10            | 6             | <10            | 2              |
| W933731            |                                   | <10             | <10            | 124           | 10             | 68             |
| W933732            |                                   | <10             | <10            | 77            | <10            | 59             |
| W933733            |                                   | <10             | <10            | 77            | <10            | 57             |
| W933734            |                                   | <10             | <10            | 85            | <10            | 61             |
| W933735            |                                   | <10             | <10            | 75            | <10            | 61             |
| W933736            |                                   | <10             | <10            | 77            | <10            | 66             |
| W933737            |                                   | <10             | <10            | 73            | <10            | 65             |
| W933738            |                                   | <10             | <10            | 77            | <10            | 68             |
| W933739            |                                   | <10             | <10            | 82            | <10            | 83             |
| W933740            |                                   | <10             | <10            | 316           | <10            | 91             |
| W933741            |                                   | <10             | <10            | 81            | <10            | 70             |
| W933742            |                                   | <10             | <10            | 81            | <10            | 71             |
| W933743            |                                   | <10             | <10            | 71            | <10            | 64             |
| W933744            |                                   | <10             | <10            | 48            | <10            | 49             |
| W933745            |                                   | <10             | <10            | 75            | <10            | 64             |
| W933746            |                                   | <10             | <10            | 82            | <10            | 69             |
| W933747            |                                   | <10             | <10            | 81            | <10            | 67             |



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**CERTIFICATE OF ANALYSIS TM19309133**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
Au-AA26 ME-ICP61

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.  
CRU-31 CRU-QC LOG-21 LOG-23  
PUL-31 PUL-QC SPL-21 WEI-21



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 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE TM19309133**

Project: Golden Perimeter  
 P.O. No.: GP-280A-21  
 This report is for 100 Drill Core samples submitted to our lab in Timmins, ON, Canada on 5-DEC-2019.  
 The following have access to data associated with this certificate:

|                              |              |              |
|------------------------------|--------------|--------------|
| IAN DUNLOP<br>CONOR MCKINLEY | DARWIN GREEN | NEAL MAGUIRE |
|------------------------------|--------------|--------------|

| SAMPLE PREPARATION |                                 |
|--------------------|---------------------------------|
| ALS CODE           | DESCRIPTION                     |
| WEI-21             | Received Sample Weight          |
| LOG-21             | Sample logging - ClientBarCode  |
| CRU-QC             | Crushing QC Test                |
| PUL-QC             | Pulverizing QC Test             |
| CRU-31             | Fine crushing - 70% <2mm        |
| SPL-21             | Split sample - riffle splitter  |
| PUL-31             | Pulverize up to 250g 85% <75 um |
| LOG-23             | Pulp Login - Rcvd with Barcode  |

| ANALYTICAL PROCEDURES |                               |            |
|-----------------------|-------------------------------|------------|
| ALS CODE              | DESCRIPTION                   | INSTRUMENT |
| ME-ICP61              | 33 element four acid ICP-AES  | ICP-AES    |
| Au-AA26               | Ore Grade Au 50g FA AA finish | AAS        |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

**Signature:**   
 Saa Traxler, General Manager, North Vancouver



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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| Method Analyte Units LOD   | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |  |
|----------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| Sample Description         | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K %      |  |
|                            | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       | 0.01     |  |
| <b>STANDARDS</b>           |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| CDN-CM-34                  |         | 3.6      | 6.73     | 108      | 470      | 1.0      | <2       | 2.16     | 1.1      | 42       | 260      | 5800     | 4.82     | 20       | 2.86     |  |
| CDN-CM-34                  |         | 3.9      | 6.79     | 110      | 500      | 1.0      | 5        | 2.18     | 1.2      | 42       | 258      | 5930     | 4.86     | 20       | 2.90     |  |
| Target Range - Lower Bound |         | 2.5      | 5.88     | 90       | 430      | <0.5     | <2       | 1.83     | <0.5     | 37       | 217      | 5370     | 4.26     | <10      | 2.51     |  |
| Upper Bound                |         | 4.9      | 7.21     | 122      | 610      | 2.1      | 8        | 2.25     | 2.0      | 47       | 267      | 6190     | 5.23     | 40       | 3.09     |  |
| EMOG-17                    |         | 65.9     | 4.68     | 581      | 170      | 1.8      | 5        | 1.94     | 19.9     | 745      | 56       | 8260     | 4.81     | 10       | 1.65     |  |
| EMOG-17                    |         | 66.3     | 4.67     | 589      | 130      | 1.8      | 7        | 1.94     | 20.1     | 749      | 58       | 8360     | 4.83     | 10       | 1.65     |  |
| Target Range - Lower Bound |         | 60.4     | 4.18     | 517      | 930      | 0.7      | <2       | 1.72     | 17.7     | 685      | 49       | 7740     | 4.42     | <10      | 1.49     |  |
| Upper Bound                |         | 75.0     | 5.13     | 643      | 1290     | 2.9      | 10       | 2.12     | 22.7     | 839      | 62       | 8910     | 5.42     | 30       | 1.85     |  |
| G917-1                     | 48.0    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | 45.5    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 51.3    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| KIP-19                     | 2.46    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | 2.27    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 2.59    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| MGeo08                     |         | 4.3      | 7.41     | 33       | 1090     | 3.1      | <2       | 2.61     | 2.0      | 20       | 90       | 623      | 3.85     | 20       | 3.17     |  |
| MGeo08                     |         | 4.5      | 7.59     | 34       | 1130     | 3.2      | <2       | 2.73     | 2.3      | 20       | 91       | 638      | 3.99     | 20       | 3.24     |  |
| Target Range - Lower Bound |         | 3.2      | 6.64     | 21       | 920      | 2.2      | <2       | 2.35     | 1.1      | 17       | 81       | 586      | 3.55     | <10      | 2.79     |  |
| Upper Bound                |         | 5.6      | 8.14     | 45       | 1270     | 4.5      | 5        | 2.90     | 3.4      | 23       | 102      | 676      | 4.37     | 40       | 3.43     |  |
| OREAS 602                  |         | >100     | 4.38     | 674      | 120      | 0.7      | 60       | 0.63     | 24.9     | 9        | 30       | 5120     | 2.12     | 20       | 0.67     |  |
| OREAS 602                  |         | >100     | 4.51     | 691      | 150      | 0.7      | 59       | 0.65     | 25.7     | 9        | 32       | 5330     | 2.17     | 20       | 0.70     |  |
| Target Range - Lower Bound |         | 107.5    | 3.92     | 579      | 590      | <0.5     | 49       | 0.55     | 21.7     | 7        | 28       | 4790     | 2.01     | <10      | 0.60     |  |
| Upper Bound                |         | 100.0    | 4.82     | 719      | 830      | 1.8      | 65       | 0.69     | 27.7     | 12       | 36       | 5510     | 2.47     | 40       | 0.76     |  |
| OxP154                     | 14.60   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | 14.35   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 16.20   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| PMP-18                     | 0.31    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | 0.28    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 0.34    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |



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|----------------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                            |                          | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti %     | Tl ppm |
|                            |                          | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01     | 10     |
| <b>STANDARDS</b>           |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| CDN-CM-34                  |                          | 20       | 3.72     | 447      | 292      | 0.75     | 253      | 1270     | 19       | 3.18     | 6        | 16       | 231      | <20      | 0.51     | <10    |
| CDN-CM-34                  |                          | 20       | 3.75     | 450      | 302      | 0.77     | 258      | 1280     | 24       | 3.22     | 9        | 16       | 234      | <20      | 0.53     | <10    |
| Target Range - Lower Bound |                          | <10      | 3.29     | 399      | 269      | 0.66     | 220      | 1110     | 19       | 2.70     | <5       | 14       | 204      | <20      | 0.43     | <10    |
| Upper Bound                |                          | 40       | 4.05     | 499      | 331      | 0.83     | 271      | 1370     | 29       | 3.32     | 17       | 19       | 251      | 40       | 0.55     | 20     |
| EMOG-17                    |                          | 20       | 0.95     | 733      | 1070     | 1.10     | 7600     | 800      | 7330     | 3.29     | 802      | 8        | 210      | <20      | 0.33     | <10    |
| EMOG-17                    |                          | 20       | 0.95     | 734      | 1075     | 1.10     | 7640     | 810      | 7410     | 3.31     | 815      | 8        | 210      | <20      | 0.33     | <10    |
| Target Range - Lower Bound |                          | <10      | 0.86     | 670      | 996      | 0.99     | 6820     | 700      | 6570     | 2.91     | 638      | 6        | 184      | <20      | 0.28     | <10    |
| Upper Bound                |                          | 40       | 1.08     | 830      | 1220     | 1.23     | 8330     | 880      | 8030     | 3.57     | 874      | 10       | 227      | 50       | 0.36     | 20     |
| G917-1                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| KIP-19                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| MRGeo08                    |                          | 30       | 1.30     | 546      | 14       | 2.00     | 694      | 1030     | 1090     | 0.30     | <5       | 11       | 305      | 20       | 0.48     | <10    |
| MRGeo08                    |                          | 30       | 1.36     | 571      | 15       | 2.06     | 717      | 1060     | 1135     | 0.31     | <5       | 11       | 316      | 20       | 0.51     | <10    |
| Target Range - Lower Bound |                          | <10      | 1.17     | 497      | 12       | 1.76     | 621      | 930      | 969      | 0.27     | <5       | 10       | 276      | <20      | 0.44     | <10    |
| Upper Bound                |                          | 60       | 1.45     | 619      | 18       | 2.18     | 761      | 1160     | 1190     | 0.35     | 15       | 15       | 340      | 60       | 0.56     | 20     |
| OREAS 602                  |                          | 10       | 0.19     | 229      | 5        | 0.44     | 56       | 570      | 1040     | 2.11     | 87       | 4        | 463      | <20      | 0.21     | <10    |
| OREAS 602                  |                          | 10       | 0.19     | 235      | 5        | 0.45     | 61       | 580      | 1060     | 2.18     | 84       | 4        | 475      | <20      | 0.22     | <10    |
| Target Range - Lower Bound |                          | <10      | 0.17     | 198      | 2        | 0.40     | 53       | 500      | 918      | 1.90     | 61       | 2        | 417      | <20      | 0.18     | <10    |
| Upper Bound                |                          | 40       | 0.23     | 253      | 7        | 0.51     | 67       | 640      | 1125     | 2.34     | 97       | 6        | 511      | 50       | 0.24     | 20     |
| OxP154                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| PMP-18                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19309133**

|                            | <b>Method Analyte Units LOD</b> | ME-ICP61 U ppm | ME-ICP61 V ppm | ME-ICP61 W ppm | ME-ICP61 Zn ppm |
|----------------------------|---------------------------------|----------------|----------------|----------------|-----------------|
| <b>Sample Description</b>  |                                 | 10             | 1              | 10             | 2               |
| <b>STANDARDS</b>           |                                 |                |                |                |                 |
| CDN-CM-34                  |                                 | <10            | 167            | 30             | 207             |
| CDN-CM-34                  |                                 | <10            | 170            | 30             | 196             |
| Target Range - Lower Bound |                                 | <10            | 149            | <10            | 176             |
| Upper Bound                |                                 | 20             | 184            | 50             | 219             |
| EMOG-17                    |                                 | <10            | 73             | <10            | 7540            |
| EMOG-17                    |                                 | <10            | 74             | 10             | 7600            |
| Target Range - Lower Bound |                                 | <10            | 67             | <10            | 6800            |
| Upper Bound                |                                 | 20             | 84             | 20             | 8320            |
| G917-1                     |                                 |                |                |                |                 |
| Target Range - Lower Bound |                                 |                |                |                |                 |
| Upper Bound                |                                 |                |                |                |                 |
| KIP-19                     |                                 |                |                |                |                 |
| Target Range - Lower Bound |                                 |                |                |                |                 |
| Upper Bound                |                                 |                |                |                |                 |
| MGeo08                     |                                 | <10            | 108            | 10             | 785             |
| MGeo08                     |                                 | <10            | 112            | 10             | 822             |
| Target Range - Lower Bound |                                 | <10            | 97             | <10            | 722             |
| Upper Bound                |                                 | 30             | 121            | 30             | 886             |
| OREAS 602                  |                                 | <10            | 33             | 10             | 4120            |
| OREAS 602                  |                                 | <10            | 34             | 10             | 4200            |
| Target Range - Lower Bound |                                 | <10            | 29             | <10            | 3770            |
| Upper Bound                |                                 | 20             | 37             | 30             | 4610            |
| OxP154                     |                                 |                |                |                |                 |
| Target Range - Lower Bound |                                 |                |                |                |                 |
| Upper Bound                |                                 |                |                |                |                 |
| PMP-18                     |                                 |                |                |                |                 |
| Target Range - Lower Bound |                                 |                |                |                |                 |
| Upper Bound                |                                 |                |                |                |                 |





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 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19309133**

| Sample Description         | Method Analyte Units LOD | Au-AA26<br>Au<br>ppm<br>0.01 | ME-ICP61<br>Ag<br>ppm<br>0.5 | ME-ICP61<br>Al<br>%<br>0.01 | ME-ICP61<br>As<br>ppm<br>5 | ME-ICP61<br>Ba<br>ppm<br>10 | ME-ICP61<br>Be<br>ppm<br>0.5 | ME-ICP61<br>Bi<br>ppm<br>2 | ME-ICP61<br>Ca<br>%<br>0.01 | ME-ICP61<br>Cd<br>ppm<br>0.5 | ME-ICP61<br>Co<br>ppm<br>1 | ME-ICP61<br>Cr<br>ppm<br>1 | ME-ICP61<br>Cu<br>ppm<br>1 | ME-ICP61<br>Fe<br>%<br>0.01 | ME-ICP61<br>Ga<br>ppm<br>10 | ME-ICP61<br>K<br>%<br>0.01 |
|----------------------------|--------------------------|------------------------------|------------------------------|-----------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|----------------------------|
| <b>BLANKS</b>              |                          |                              |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| BLANK                      |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| BLANK                      |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| BLANK                      |                          |                              | <0.5                         | <0.01                       | <5                         | <10                         | <0.5                         | <2                         | <0.01                       | <0.5                         | <1                         | <1                         | <1                         | <0.01                       | <10                         | <0.01                      |
| BLANK                      |                          |                              | <0.5                         | <0.01                       | <5                         | <10                         | <0.5                         | 3                          | <0.01                       | <0.5                         | <1                         | <1                         | <1                         | <0.01                       | <10                         | <0.01                      |
| BLANK                      |                          |                              | <0.5                         | <0.01                       | <5                         | <10                         | <0.5                         | <2                         | <0.01                       | <0.5                         | <1                         | 1                          | <1                         | <0.01                       | <10                         | <0.01                      |
| BLANK                      |                          |                              | <0.5                         | <0.01                       | <5                         | <10                         | <0.5                         | <2                         | <0.01                       | <0.5                         | 1                          | <1                         | <1                         | <0.01                       | <10                         | <0.01                      |
| Target Range - Lower Bound |                          |                              | <0.5                         | <0.01                       | <5                         | <10                         | <0.5                         | <2                         | <0.01                       | <0.5                         | <1                         | <1                         | <1                         | <0.01                       | <10                         | <0.01                      |
| Upper Bound                |                          |                              | 1.0                          | 0.02                        | 10                         | 20                          | 1.0                          | 4                          | 0.02                        | 1.0                          | 2                          | 2                          | 2                          | 0.02                        | 20                          | 0.02                       |
| <b>DUPLICATES</b>          |                          |                              |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| ORIGINAL                   |                          | 0.03                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.04                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| ORIGINAL                   |                          |                              | 3.6                          | 7.81                        | 132                        | 230                         | 1.8                          | <2                         | 0.45                        | <0.5                         | 6                          | 12                         | 28                         | 4.43                        | 20                          | 3.70                       |
| DUP                        |                          |                              | 3.8                          | 8.01                        | 129                        | 200                         | 1.8                          | <2                         | 0.47                        | <0.5                         | 6                          | 12                         | 28                         | 4.52                        | 20                          | 3.81                       |
| Target Range - Lower Bound |                          |                              | 3.0                          | 7.50                        | 119                        | 190                         | 1.2                          | <2                         | 0.43                        | <0.5                         | 5                          | 10                         | 26                         | 4.24                        | <10                         | 3.56                       |
| Upper Bound                |                          |                              | 4.4                          | 8.32                        | 142                        | 240                         | 2.4                          | 4                          | 0.49                        | 1.0                          | 7                          | 14                         | 30                         | 4.71                        | 30                          | 3.95                       |
| ORIGINAL                   |                          |                              | 6.0                          | 1.98                        | 89                         | 870                         | 1.9                          | 2                          | 4.85                        | 1.7                          | 3                          | 60                         | 28                         | 2.35                        | <10                         | 0.84                       |
| DUP                        |                          |                              | 6.0                          | 2.09                        | 92                         | 920                         | 2.0                          | <2                         | 5.04                        | 1.5                          | 3                          | 64                         | 30                         | 2.49                        | 10                          | 0.89                       |
| Target Range - Lower Bound |                          |                              | 5.2                          | 1.92                        | 81                         | 820                         | 1.4                          | <2                         | 4.69                        | 1.0                          | 2                          | 58                         | 27                         | 2.29                        | <10                         | 0.81                       |
| Upper Bound                |                          |                              | 6.8                          | 2.15                        | 100                        | 970                         | 2.5                          | 4                          | 5.20                        | 2.2                          | 4                          | 66                         | 31                         | 2.55                        | 20                          | 0.92                       |
| W934559                    |                          | 0.01                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| W933663                    |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM19309133**

| Method Analyte Units LOD   | ME-ICP61<br>La<br>ppm | ME-ICP61<br>Mg<br>% | ME-ICP61<br>Mn<br>ppm | ME-ICP61<br>Mo<br>ppm | ME-ICP61<br>Na<br>% | ME-ICP61<br>Ni<br>ppm | ME-ICP61<br>P<br>ppm | ME-ICP61<br>Pb<br>ppm | ME-ICP61<br>S<br>% | ME-ICP61<br>Sb<br>ppm | ME-ICP61<br>Sc<br>ppm | ME-ICP61<br>Sr<br>ppm | ME-ICP61<br>Th<br>ppm | ME-ICP61<br>Ti<br>% | ME-ICP61<br>Tl<br>ppm |
|----------------------------|-----------------------|---------------------|-----------------------|-----------------------|---------------------|-----------------------|----------------------|-----------------------|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|-----------------------|
| Sample Description         | 10                    | 0.01                | 5                     | 1                     | 0.01                | 1                     | 10                   | 2                     | 0.01               | 5                     | 1                     | 1                     | 20                    | 0.01                | 10                    |
| <b>BLANKS</b>              |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| BLANK                      | <10                   | <0.01               | <5                    | <1                    | <0.01               | <1                    | 10                   | <2                    | <0.01              | <5                    | <1                    | <1                    | <20                   | <0.01               | <10                   |
| BLANK                      | <10                   | <0.01               | <5                    | <1                    | <0.01               | <1                    | <10                  | 2                     | <0.01              | <5                    | <1                    | 2                     | <20                   | <0.01               | <10                   |
| Target Range - Lower Bound | <10                   | <0.01               | <5                    | <1                    | <0.01               | <1                    | <10                  | <2                    | <0.01              | <5                    | <1                    | <1                    | <20                   | <0.01               | <10                   |
| Upper Bound                | 20                    | 0.02                | 10                    | 2                     | 0.02                | 2                     | 20                   | 4                     | 0.02               | 10                    | 2                     | 2                     | 40                    | 0.02                | 20                    |
| <b>DUPLICATES</b>          |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| ORIGINAL                   | 20                    | 2.47                | 820                   | 13                    | 0.02                | 26                    | 730                  | 57                    | 4.03               | 27                    | 16                    | 104                   | <20                   | 0.40                | <10                   |
| DUP                        | 20                    | 2.52                | 841                   | 14                    | 0.03                | 25                    | 770                  | 58                    | 4.08               | 30                    | 16                    | 108                   | <20                   | 0.41                | <10                   |
| Target Range - Lower Bound | <10                   | 2.36                | 784                   | 12                    | <0.01               | 23                    | 700                  | 53                    | 3.84               | 21                    | 14                    | 100                   | <20                   | 0.37                | <10                   |
| Upper Bound                | 30                    | 2.63                | 877                   | 15                    | 0.04                | 28                    | 800                  | 62                    | 4.27               | 36                    | 18                    | 112                   | 40                    | 0.44                | 20                    |
| ORIGINAL                   | 10                    | 0.58                | 578                   | 3                     | 0.07                | 55                    | 4720                 | 124                   | 0.02               | 85                    | 4                     | 114                   | <20                   | 0.11                | <10                   |
| DUP                        | 20                    | 0.61                | 614                   | 4                     | 0.07                | 62                    | 4950                 | 129                   | 0.02               | 95                    | 4                     | 119                   | <20                   | 0.11                | <10                   |
| Target Range - Lower Bound | <10                   | 0.56                | 561                   | 2                     | 0.06                | 55                    | 4580                 | 118                   | <0.01              | 78                    | 3                     | 110                   | <20                   | 0.09                | <10                   |
| Upper Bound                | 20                    | 0.63                | 631                   | 5                     | 0.08                | 62                    | 5090                 | 135                   | 0.03               | 102                   | 5                     | 123                   | 40                    | 0.13                | 20                    |
| W934559                    |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| DUP                        |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| Target Range - Lower Bound |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| Upper Bound                |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| W933663                    |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| DUP                        |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| Target Range - Lower Bound |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| Upper Bound                |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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|                                                 |
|-------------------------------------------------|
| <b>QC CERTIFICATE OF ANALYSIS    TM19309133</b> |
|-------------------------------------------------|

| Sample Description         | Method Analyte Units LOD | ME-ICP61 U ppm 10 | ME-ICP61 V ppm 1 | ME-ICP61 W ppm 10 | ME-ICP61 Zn ppm 2 |
|----------------------------|--------------------------|-------------------|------------------|-------------------|-------------------|
| <b>BLANKS</b>              |                          |                   |                  |                   |                   |
| BLANK                      |                          |                   |                  |                   |                   |
| BLANK                      |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| Target Range - Lower Bound |                          | <10               | <1               | <10               | <2                |
| Upper Bound                |                          | 20                | 2                | 20                | 4                 |
| <b>DUPLICATES</b>          |                          |                   |                  |                   |                   |
| ORIGINAL                   |                          |                   |                  |                   |                   |
| DUP                        |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| ORIGINAL                   |                          | <10               | 86               | <10               | 36                |
| DUP                        |                          | <10               | 87               | <10               | 43                |
| Target Range - Lower Bound |                          | <10               | 81               | <10               | 36                |
| Upper Bound                |                          | 20                | 92               | 20                | 43                |
| ORIGINAL                   |                          | <10               | 234              | 50                | 304               |
| DUP                        |                          | <10               | 247              | 50                | 317               |
| Target Range - Lower Bound |                          | <10               | 227              | 40                | 293               |
| Upper Bound                |                          | 20                | 254              | 60                | 328               |
| W934559                    |                          |                   |                  |                   |                   |
| DUP                        |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| W933663                    |                          |                   |                  |                   |                   |
| DUP                        |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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 Finalized Date: 21-DEC-2019  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19309133**

| Sample Description         | Method<br>Analyte<br>Units<br>LOD | Au-AA26   | ME-ICP61  | ME-ICP61 | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61 | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61 | ME-ICP61  |        |
|----------------------------|-----------------------------------|-----------|-----------|----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|----------|-----------|--------|
|                            |                                   | Au<br>ppm | Ag<br>ppm | Al<br>%  | As<br>ppm | Ba<br>ppm | Be<br>ppm | Bi<br>ppm | Ca<br>%  | Cd<br>ppm | Co<br>ppm | Cr<br>ppm | Cu<br>ppm | Fe<br>%  | Ga<br>ppm | K<br>% |
|                            |                                   | 0.01      | 0.5       | 0.01     | 5         | 10        |           |           |          |           |           |           |           |          |           |        |
| <b>DUPLICATES</b>          |                                   |           |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| W933676                    |                                   |           | <0.5      | 6.75     | <5        | 1680      | 2.0       | <2        | 4.34     | <0.5      | 19        | 118       | 35        | 3.45     | 20        | 2.14   |
| DUP                        |                                   |           | <0.5      | 6.61     | <5        | 1670      | 2.0       | 4         | 4.37     | <0.5      | 20        | 118       | 36        | 3.42     | 20        | 2.14   |
| Target Range - Lower Bound |                                   |           | <0.5      | 6.34     | <5        | 1540      | 1.4       | <2        | 4.13     | <0.5      | 18        | 111       | 33        | 3.25     | <10       | 2.02   |
| Upper Bound                |                                   |           | 1.0       | 7.02     | 10        | 1810      | 2.6       | 4         | 4.58     | 1.0       | 21        | 125       | 38        | 3.62     | 30        | 2.26   |
| W933683                    |                                   | 0.01      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| DUP                        |                                   | 0.01      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Target Range - Lower Bound |                                   | <0.01     |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Upper Bound                |                                   | 0.02      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| W933712                    |                                   |           | <0.5      | 7.51     | <5        | 2470      | 2.4       | <2        | 2.59     | <0.5      | 11        | 27        | 31        | 2.76     | 20        | 2.07   |
| DUP                        |                                   |           | <0.5      | 7.60     | <5        | 2410      | 2.3       | <2        | 2.56     | <0.5      | 12        | 29        | 29        | 2.74     | 20        | 2.03   |
| Target Range - Lower Bound |                                   |           | <0.5      | 7.17     | <5        | 2250      | 1.7       | <2        | 2.44     | <0.5      | 10        | 26        | 28        | 2.60     | <10       | 1.94   |
| Upper Bound                |                                   |           | 1.0       | 7.94     | 10        | 2630      | 3.0       | 4         | 2.71     | 1.0       | 13        | 30        | 32        | 2.90     | 30        | 2.16   |
| W933721                    |                                   | 0.02      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| DUP                        |                                   | 0.02      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Target Range - Lower Bound |                                   | <0.01     |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Upper Bound                |                                   | 0.03      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| W933741                    |                                   | <0.01     |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| DUP                        |                                   | <0.01     |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Target Range - Lower Bound |                                   | <0.01     |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Upper Bound                |                                   | 0.02      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 800 WEST PENDER ST, 320  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19309133**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|----------------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                            |                          | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti %     | Tl ppm |
|                            |                          | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01     | 10     |
| <b>DUPLICATES</b>          |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W933676                    |                          | 90       | 2.73     | 593      | 1        | 3.46     | 123      | 2720     | 21       | 0.73     | <5       | 9        | 657      | 20       | 0.30     | <10    |
| DUP                        |                          | 90       | 2.72     | 602      | 1        | 3.36     | 121      | 2680     | 20       | 0.72     | <5       | 9        | 646      | <20      | 0.30     | <10    |
| Target Range - Lower Bound |                          | 80       | 2.58     | 563      | <1       | 3.23     | 115      | 2560     | 17       | 0.68     | <5       | 8        | 618      | <20      | 0.28     | <10    |
| Upper Bound                |                          | 100      | 2.87     | 632      | 2        | 3.59     | 129      | 2850     | 24       | 0.77     | 10       | 10       | 685      | 40       | 0.33     | 20     |
| W933683                    |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W933712                    |                          | 40       | 1.26     | 604      | <1       | 4.28     | 16       | 1220     | 21       | 1.01     | <5       | 8        | 551      | <20      | 0.21     | <10    |
| DUP                        |                          | 40       | 1.24     | 592      | <1       | 4.23     | 15       | 1190     | 21       | 1.00     | <5       | 8        | 540      | <20      | 0.21     | <10    |
| Target Range - Lower Bound |                          | 30       | 1.18     | 563      | <1       | 4.03     | 14       | 1130     | 18       | 0.94     | <5       | 7        | 517      | <20      | 0.19     | <10    |
| Upper Bound                |                          | 50       | 1.32     | 633      | 2        | 4.48     | 17       | 1280     | 24       | 1.07     | 10       | 9        | 574      | 40       | 0.23     | 20     |
| W933721                    |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W933741                    |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

|                                                 |
|-------------------------------------------------|
| <b>QC CERTIFICATE OF ANALYSIS    TM19309133</b> |
|-------------------------------------------------|

| Sample Description         | Method Analyte Units LOD | ME-ICP61 U ppm | ME-ICP61 V ppm | ME-ICP61 W ppm | ME-ICP61 Zn ppm |
|----------------------------|--------------------------|----------------|----------------|----------------|-----------------|
|                            |                          | 10             | 1              | 10             | 2               |
| <b>DUPLICATES</b>          |                          |                |                |                |                 |
| W933676                    |                          | <10            | 99             | <10            | 81              |
| DUP                        |                          | <10            | 99             | <10            | 81              |
| Target Range - Lower Bound |                          | <10            | 93             | <10            | 75              |
| Upper Bound                |                          | 20             | 105            | 20             | 87              |
| W933683                    |                          |                |                |                |                 |
| DUP                        |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| W933712                    |                          | <10            | 72             | 10             | 58              |
| DUP                        |                          | <10            | 70             | 10             | 56              |
| Target Range - Lower Bound |                          | <10            | 66             | <10            | 52              |
| Upper Bound                |                          | 20             | 76             | 20             | 62              |
| W933721                    |                          |                |                |                |                 |
| DUP                        |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| W933741                    |                          |                |                |                |                 |
| DUP                        |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |



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**QC CERTIFICATE OF ANALYSIS TM19309133**

| <b>CERTIFICATE COMMENTS</b> |                                                                                                                                                        |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
|                             | <b>LABORATORY ADDRESSES</b>                                                                                                                            |
| Applies to Method:          | Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.<br>Au-AA26 ME-ICP61                                             |
| Applies to Method:          | Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.<br>CRU-31 CRU-QC LOG-21 LOG-23<br>PUL-31 PUL-QC SPL-21 WEI-21 |



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 North Vancouver BC V7H 0A7  
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**CERTIFICATE TM19313212**

Project: Golden Perimeter

This report is for 6 Drill Core samples submitted to our lab in Timmins, ON, Canada on 10-DEC-2019.

The following have access to data associated with this certificate:

|                |              |              |
|----------------|--------------|--------------|
| IAN DUNLOP     | DARWIN GREEN | NEAL MAGUIRE |
| CONOR MCKINLEY |              |              |

| SAMPLE PREPARATION |                               |
|--------------------|-------------------------------|
| ALS CODE           | DESCRIPTION                   |
| FND-02             | Find Sample for Addn Analysis |

| ANALYTICAL PROCEDURES |                                 |            |
|-----------------------|---------------------------------|------------|
| ALS CODE              | DESCRIPTION                     | INSTRUMENT |
| ME-XRF26              | Whole Rock By Fusion/XRF        | XRF        |
| OA-GRA05x             | LOI for XRF                     | WST-SEQ    |
| ME-MS42               | Up to 34 elements by ICP-MS     | ICP-MS     |
| S-IR08                | Total Sulphur (IR Spectroscopy) | LECO       |
| C-IR07                | Total Carbon (IR Spectroscopy)  | LECO       |
| ME-MS81               | Lithium Borate Fusion ICP-MS    | ICP-MS     |
| ME-4ACD81             | Base Metals by 4-acid dig.      | ICP-AES    |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

**Signature:**   
 Saa Traxler, General Manager, North Vancouver





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19313212**

| Sample Description | Method Analyte Units LOD | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26   | ME-XRF26 |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------------|----------|
|                    |                          | Al2O3 %  | BaO %    | CaO %    | Cr2O3 %  | Fe2O3 %  | K2O %    | MgO %    | MnO %    | Na2O %   | P2O5 %   | SiO2 %   | SrO %    | TiO2 %   | LOI 1000 % | Total %  |
|                    |                          | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01       | 0.01     |
| W933648            |                          | 13.29    | 0.23     | 6.77     | 0.04     | 7.40     | 2.81     | 6.52     | 0.12     | 4.77     | 0.40     | 54.83    | 0.12     | 0.70     | 1.23       | 99.70    |
| W933652            |                          | 16.00    | 0.29     | 3.66     | 0.01     | 4.05     | 3.21     | 2.50     | 0.08     | 5.64     | 0.26     | 62.73    | 0.19     | 0.36     | 0.70       | 100.30   |
| W933659            |                          | 15.59    | 0.28     | 4.25     | <0.01    | 4.39     | 1.24     | 2.45     | 0.09     | 7.36     | 0.28     | 56.10    | 0.05     | 0.38     | 5.46       | 103.30   |
| W933677            |                          | 13.91    | 0.20     | 4.91     | 0.02     | 5.71     | 2.93     | 4.81     | 0.09     | 5.11     | 0.69     | 53.97    | 0.10     | 0.80     | 5.74       | 100.90   |
| W933731            |                          | 15.91    | 0.30     | 4.73     | <0.01    | 4.14     | 3.43     | 2.37     | 0.09     | 4.24     | 0.29     | 56.44    | 0.03     | 0.40     | 5.69       | 100.65   |
| W933747            |                          | 15.73    | 0.29     | 3.70     | <0.01    | 4.39     | 3.14     | 2.49     | 0.09     | 5.25     | 0.28     | 61.83    | 0.13     | 0.40     | 1.85       | 100.45   |

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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|                                           |
|-------------------------------------------|
| <b>CERTIFICATE OF ANALYSIS TM19313212</b> |
|-------------------------------------------|

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81<br>Ba<br>ppm<br>0.5 | ME-MS81<br>Ce<br>ppm<br>0.1 | ME-MS81<br>Cr<br>ppm<br>10 | ME-MS81<br>Cs<br>ppm<br>0.01 | ME-MS81<br>Dy<br>ppm<br>0.05 | ME-MS81<br>Er<br>ppm<br>0.03 | ME-MS81<br>Eu<br>ppm<br>0.03 | ME-MS81<br>Ga<br>ppm<br>0.1 | ME-MS81<br>Gd<br>ppm<br>0.05 | ME-MS81<br>Ge<br>ppm<br>5 | ME-MS81<br>Hf<br>ppm<br>0.2 | ME-MS81<br>Ho<br>ppm<br>0.01 | ME-MS81<br>La<br>ppm<br>0.1 | ME-MS81<br>Lu<br>ppm<br>0.01 | ME-MS81<br>Nb<br>ppm<br>0.2 |
|--------------------|-----------------------------------|-----------------------------|-----------------------------|----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|------------------------------|---------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|-----------------------------|
| W933648            |                                   | 2050                        | 115.0                       | 320                        | 3.04                         | 3.83                         | 1.81                         | 2.17                         | 19.5                        | 6.46                         | <5                        | 4.0                         | 0.65                         | 56.0                        | 0.17                         | 5.0                         |
| W933652            |                                   | 2700                        | 96.9                        | 60                         | 0.65                         | 2.75                         | 1.32                         | 1.84                         | 21.9                        | 4.97                         | <5                        | 4.3                         | 0.47                         | 48.2                        | 0.13                         | 5.5                         |
| W933659            |                                   | 2660                        | 125.0                       | 40                         | 0.32                         | 2.59                         | 1.15                         | 2.01                         | 21.1                        | 5.34                         | <5                        | 4.0                         | 0.44                         | 63.3                        | 0.13                         | 5.6                         |
| W933677            |                                   | 1840                        | 275                         | 130                        | 2.78                         | 4.28                         | 1.67                         | 4.30                         | 20.8                        | 9.97                         | <5                        | 5.7                         | 0.68                         | 126.0                       | 0.13                         | 9.0                         |
| W933731            |                                   | 2810                        | 128.5                       | 40                         | 1.54                         | 2.72                         | 1.24                         | 2.00                         | 23.4                        | 5.14                         | <5                        | 3.8                         | 0.47                         | 65.6                        | 0.14                         | 5.4                         |
| W933747            |                                   | 2650                        | 127.5                       | 40                         | 0.93                         | 2.86                         | 1.29                         | 1.95                         | 22.1                        | 5.19                         | <5                        | 3.8                         | 0.49                         | 64.7                        | 0.14                         | 5.5                         |

Comments: ME-XRF26: High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total). The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19313212**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81          | ME-MS81           | ME-MS81          | ME-MS81           | ME-MS81        | ME-MS81          | ME-MS81          | ME-MS81           | ME-MS81           | ME-MS81           | ME-MS81          | ME-MS81       | ME-MS81       | ME-MS81         |                   |
|--------------------|-----------------------------------|------------------|-------------------|------------------|-------------------|----------------|------------------|------------------|-------------------|-------------------|-------------------|------------------|---------------|---------------|-----------------|-------------------|
|                    |                                   | Nd<br>ppm<br>0.1 | Pr<br>ppm<br>0.03 | Rb<br>ppm<br>0.2 | Sm<br>ppm<br>0.03 | Sn<br>ppm<br>1 | Sr<br>ppm<br>0.1 | Ta<br>ppm<br>0.1 | Tb<br>ppm<br>0.01 | Th<br>ppm<br>0.05 | Tm<br>ppm<br>0.01 | U<br>ppm<br>0.05 | V<br>ppm<br>5 | W<br>ppm<br>1 | Y<br>ppm<br>0.1 | Yb<br>ppm<br>0.03 |
| W933648            |                                   | 56.1             | 13.85             | 73.3             | 8.90              | 1              | 1120             | 0.8              | 0.74              | 8.89              | 0.21              | 2.56             | 162           | 1             | 17.9            | 1.40              |
| W933652            |                                   | 43.7             | 11.55             | 59.9             | 7.29              | 1              | 1735             | 0.4              | 0.53              | 9.88              | 0.13              | 4.36             | 78            | 1             | 13.4            | 0.97              |
| W933659            |                                   | 55.6             | 14.40             | 26.2             | 8.06              | 2              | 496              | 1.2              | 0.53              | 11.05             | 0.13              | 1.75             | 43            | 17            | 13.0            | 0.93              |
| W933677            |                                   | 131.0            | 34.1              | 75.7             | 18.30             | 2              | 920              | 0.8              | 0.92              | 10.05             | 0.17              | 3.00             | 101           | 2             | 18.3            | 1.03              |
| W933731            |                                   | 55.6             | 14.55             | 96.2             | 8.30              | 1              | 289              | 1.0              | 0.55              | 11.10             | 0.14              | 5.76             | 127           | 9             | 13.4            | 1.09              |
| W933747            |                                   | 56.3             | 14.85             | 74.0             | 8.41              | 1              | 1195             | 1.0              | 0.58              | 11.85             | 0.14              | 2.28             | 87            | 1             | 13.9            | 1.11              |

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Plus Appendix Pages  
 Finalized Date: 24-DEC-2019  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19313212**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 |
|--------------------|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|---------|---------|
|                    |                                   | Zr      | Ag        | Cd        | Co        | Cu        | Li        | Mo        | Ni        | Pb        | Sc        | Zn        | As      | Bi      | Hg      | In      |
|                    |                                   | ppm     | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm     | ppm     | ppm     | ppm     |
|                    |                                   | 2       | 0.5       | 0.5       | 1         | 1         | 10        | 1         | 1         | 2         | 1         | 2         | 0.1     | 0.01    | 0.005   | 0.005   |
| W933648            |                                   | 136     | <0.5      | <0.5      | 29        | 108       | 10        | <1        | 78        | 20        | 18        | 82        | 0.4     | 0.06    | <0.005  | 0.011   |
| W933652            |                                   | 158     | <0.5      | <0.5      | 11        | 36        | <10       | 1         | 20        | 33        | 8         | 63        | 0.4     | 0.05    | <0.005  | 0.006   |
| W933659            |                                   | 146     | <0.5      | <0.5      | 15        | 27        | <10       | <1        | 15        | 19        | 8         | 33        | 0.3     | 0.49    | <0.005  | 0.015   |
| W933677            |                                   | 238     | <0.5      | <0.5      | 23        | 20        | 20        | 1         | 98        | 16        | 10        | 82        | 0.4     | 0.24    | <0.005  | 0.028   |
| W933731            |                                   | 145     | <0.5      | <0.5      | 11        | 9         | 10        | 1         | 14        | 17        | 8         | 64        | 0.2     | 0.25    | <0.005  | 0.016   |
| W933747            |                                   | 147     | <0.5      | <0.5      | 12        | 33        | 10        | <1        | 13        | 32        | 8         | 65        | 0.4     | 0.19    | <0.005  | 0.017   |

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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To: **HIGHGOLD MINING**  
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**VANCOUVER BC V6C 2V6**

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 Plus Appendix Pages  
 Finalized Date: 24-DEC-2019  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19313212**

| Sample Description | Method Analyte Units LOD | ME-MS42 Re ppm 0.001 | ME-MS42 Sb ppm 0.05 | ME-MS42 Sc ppm 0.1 | ME-MS42 Se ppm 0.2 | ME-MS42 Te ppm 0.01 | ME-MS42 Tl ppm 0.02 | S-IR08 S % 0.01 | C-IR07 C % 0.01 |
|--------------------|--------------------------|----------------------|---------------------|--------------------|--------------------|---------------------|---------------------|-----------------|-----------------|
| W933648            |                          | <0.001               | 0.05                | 3.0                | 0.3                | <0.01               | 0.39                | 0.14            | 0.26            |
| W933652            |                          | <0.001               | <0.05               | 2.1                | <0.2               | 0.01                | 0.07                | 0.19            | 0.13            |
| W933659            |                          | <0.001               | <0.05               | 6.5                | 0.5                | 0.27                | 0.02                | 2.23            | 1.57            |
| W933677            |                          | <0.001               | <0.05               | 8.9                | 0.3                | 0.11                | 0.32                | 0.72            | 1.43            |
| W933731            |                          | <0.001               | <0.05               | 4.8                | <0.2               | 0.33                | 0.05                | 1.02            | 1.46            |
| W933747            |                          | <0.001               | <0.05               | 4.1                | 0.2                | 0.02                | 0.10                | 0.31            | 0.36            |

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

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2103 Dollarton Hwy  
North Vancouver BC V7H 0A7  
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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19313212**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
C-IR07 FND-02 ME-4ACD81  
ME-MS81 ME-XRF26 OA-GRA05x

ME-MS42  
S-IR08



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 North Vancouver BC V7H 0A7  
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**QC CERTIFICATE TM19313212**

Project: Golden Perimeter

This report is for 6 Drill Core samples submitted to our lab in Timmins, ON, Canada on 10-DEC-2019.

The following have access to data associated with this certificate:

|                |              |              |
|----------------|--------------|--------------|
| IAN DUNLOP     | DARWIN GREEN | NEAL MAGUIRE |
| CONOR MCKINLEY |              |              |

| SAMPLE PREPARATION |                               |
|--------------------|-------------------------------|
| ALS CODE           | DESCRIPTION                   |
| FND-02             | Find Sample for Addn Analysis |

| ANALYTICAL PROCEDURES |                                 |            |
|-----------------------|---------------------------------|------------|
| ALS CODE              | DESCRIPTION                     | INSTRUMENT |
| ME-XRF26              | Whole Rock By Fusion/XRF        | XRF        |
| OA-GRA05x             | LOI for XRF                     | WST-SEQ    |
| ME-MS42               | Up to 34 elements by ICP-MS     | ICP-MS     |
| S-IR08                | Total Sulphur (IR Spectroscopy) | LECO       |
| C-IR07                | Total Carbon (IR Spectroscopy)  | LECO       |
| ME-MS81               | Lithium Borate Fusion ICP-MS    | ICP-MS     |
| ME-4ACD81             | Base Metals by 4-acid dig.      | ICP-AES    |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

Signature:   
 Saa Traxler, General Manager, North Vancouver



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313212**

| Method Analyte Units LOD   | ME-XRF26 Al2O3 % | ME-XRF26 BaO % | ME-XRF26 CaO % | ME-XRF26 Cr2O3 % | ME-XRF26 Fe2O3 % | ME-XRF26 K2O % | ME-XRF26 MgO % | ME-XRF26 MnO % | ME-XRF26 Na2O % | ME-XRF26 P2O5 % | ME-XRF26 SiO2 % | ME-XRF26 SrO % | ME-XRF26 TiO2 % | OA-GRA05x LOI 1000 % | ME-XRF26 Total % |
|----------------------------|------------------|----------------|----------------|------------------|------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------------|------------------|
| <b>STANDARDS</b>           |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| AMIS0304                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| AMIS0461                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 38.38            |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 36.66            |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 40.54            |
| GS310-10                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| GS310-10                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| MA-1b                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| MA-1b                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| MRGeo08                    |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| MRGeo08                    |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| MRGeo08                    |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 218                  | 13.46            | 0.02           | 10.05          | 0.03             | 12.04            | 0.23           | 7.25           | 0.19           | 2.94            | 0.10            | 48.72           | 0.02           | 1.12            |                      | 96.70            |
| Target Range - Lower Bound | 13.04            | <0.01          | 9.73           | <0.01            | 11.63            | 0.20           | 6.81           | 0.16           | 2.75            | 0.07            | 48.02           | <0.01          | 1.04            |                      | <0.01            |
| Upper Bound                | 13.96            | 0.04           | 10.45          | 0.05             | 12.47            | 0.26           | 7.39           | 0.22           | 3.05            | 0.13            | 50.38           | 0.03           | 1.20            |                      | 0.02             |
| OREAS 220                  | 13.63            | 0.03           | 9.63           | 0.04             | 11.34            | 0.47           | 6.99           | 0.17           | 2.75            | 0.18            | 49.77           | 0.03           | 1.28            |                      | 96.83            |
| Target Range - Lower Bound | 13.12            | <0.01          | 9.28           | 0.02             | 11.00            | 0.42           | 6.92           | 0.14           | 2.60            | 0.15            | 49.10           | <0.01          | 1.19            |                      | <0.01            |
| Upper Bound                | 14.04            | 0.05           | 10.00          | 0.06             | 11.80            | 0.51           | 7.50           | 0.20           | 2.90            | 0.21            | 51.50           | 0.05           | 1.37            |                      | 0.02             |
| OREAS 501b                 |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 602                  |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 602                  |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS-101b                 |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| SCH-1                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 2.72             |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 2.58             |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 2.88             |

Comments: ME-XRF26: High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total). The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313212**

| Sample Description         | Method  | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |       |
|----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|
|                            | Analyte | Ba      | Ce      | Cr      | Cs      | Dy      | Er      | Eu      | Ga      | Gd      | Ge      | Hf      | Ho      | La      | Lu      | Nb    |
|                            | Units   | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm   |
|                            | LOD     | 0.5     | 0.1     | 10      | 0.01    | 0.05    | 0.03    | 0.03    | 0.1     | 0.05    | 5       | 0.2     | 0.01    | 0.1     | 0.01    | 0.2   |
| <b>STANDARDS</b>           |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| AMIS0304                   |         | 2580    | 8760    | 90      | 0.36    | 142.0   | 35.6    | 155.5   | 46.1    | 361     | 6       | 27.9    | 18.60   | 3550    | 1.91    | >2500 |
| Target Range - Lower Bound |         | 2340    | 7280    | 70      | 0.35    | 119.0   | 30.6    | 135.0   | 47.8    | 309     | <5      | 25.0    | 16.20   | 3250    | 1.84    | 4670  |
| Upper Bound                |         | 2860    | 8900    | 120     | 0.45    | 145.5   | 37.4    | 165.0   | 58.7    | 377     | 18      | 31.0    | 19.80   | 3970    | 2.27    | >2500 |
| AMIS0461                   |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| GS310-10                   |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| GS310-10                   |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| MA-1b                      |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| MA-1b                      |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| MRGeo08                    |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| MRGeo08                    |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| MRGeo08                    |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| OREAS 218                  |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| OREAS 220                  |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| OREAS 501b                 |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| OREAS 602                  |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| OREAS 602                  |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| OREAS-101b                 |         | 188.5   | 1435    | 30      | 2.58    | 33.5    | 19.60   | 8.06    | 28.4    | 36.6    | <5      | 11.1    | 6.42    | 822     | 2.47    | 60.1  |
| Target Range - Lower Bound |         |         | 1200    |         |         | 28.8    | 16.80   | 6.96    |         | 32.4    |         |         | 5.70    | 710     | 2.31    |       |
| Upper Bound                |         |         | 1465    |         |         | 35.4    | 20.6    | 8.58    |         | 39.7    |         |         | 6.98    | 868     | 2.85    |       |
| SCH-1                      |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313212**

| Sample Description         | Method Analyte Units LOD | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |        |
|----------------------------|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
|                            |                          | Nd ppm  | Pr ppm  | Rb ppm  | Sm ppm  | Sn ppm  | Sr ppm  | Ta ppm  | Tb ppm  | Th ppm  | Tm ppm  | U ppm   | V ppm   | W ppm   | Y ppm   | Yb ppm |
|                            |                          | 0.1     | 0.03    | 0.2     | 0.03    | 1       | 0.1     | 0.1     | 0.01    | 0.05    | 0.01    | 0.05    | 5       | 1       | 0.1     | 0.03   |
| <b>STANDARDS</b>           |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| AMIS0304                   |                          | 4300    | >1000   | 11.0    | 589     | 24      | 3620    | 12.8    | 34.6    | 443     | 3.40    | 24.0    | 360     | 6       | 422     | 17.05  |
| Target Range - Lower Bound |                          | 3610    | 925     | 9.3     | 543     | 22      | 3060    | 11.1    | 30.8    | 406     | 3.14    | 21.6    | 331     | 3       | 369     | 15.25  |
| Upper Bound                |                          | 4410    | >1000   | 11.8    | 664     | 29      | 3740    | 13.8    | 37.7    | 496     | 3.86    | 26.5    | 415     | 7       | 451     | 18.75  |
| AMIS0461                   |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| GS310-10                   |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| GS310-10                   |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| MA-1b                      |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| MA-1b                      |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| MRGeo08                    |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| MRGeo08                    |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| MRGeo08                    |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 218                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 220                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 501b                 |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 602                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 602                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS-101b                 |                          | 408     | 132.5   | 194.0   | 49.9    | 9       | 22.7    | 3.1     | 5.21    | 36.1    | 2.76    | 395     | 80      | 20      | 180.5   | 18.55  |
| Target Range - Lower Bound |                          | 340     | 114.5   |         | 43.2    |         |         |         | 4.82    | 32.7    | 2.38    | 348     | 66      |         | 160.0   |        |
| Upper Bound                |                          | 416     | 139.5   |         | 52.8    |         |         |         | 5.92    | 40.1    | 2.94    | 426     | 94      |         | 196.0   |        |
| SCH-1                      |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Total # Pages: 4 (A - E)  
 Plus Appendix Pages  
 Finalized Date: 24-DEC-2019  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313212**

| Sample Description         | Method Analyte Units LOD | ME-MS81<br>Zr<br>ppm<br>2 | ME-4ACD81<br>Ag<br>ppm<br>0.5 | ME-4ACD81<br>Cd<br>ppm<br>0.5 | ME-4ACD81<br>Co<br>ppm<br>1 | ME-4ACD81<br>Cu<br>ppm<br>1 | ME-4ACD81<br>Li<br>ppm<br>10 | ME-4ACD81<br>Mo<br>ppm<br>1 | ME-4ACD81<br>Ni<br>ppm<br>1 | ME-4ACD81<br>Pb<br>ppm<br>2 | ME-4ACD81<br>Sc<br>ppm<br>1 | ME-4ACD81<br>Zn<br>ppm<br>2 | ME-MS42<br>As<br>ppm<br>0.1 | ME-MS42<br>Bi<br>ppm<br>0.01 | ME-MS42<br>Hg<br>ppm<br>0.005 | ME-MS42<br>In<br>ppm<br>0.005 |
|----------------------------|--------------------------|---------------------------|-------------------------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|
| <b>STANDARDS</b>           |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| AMIS0304                   |                          | 1135                      |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          | 1005                      |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          | 1230                      |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| AMIS0461                   |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| GS310-10                   |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| GS310-10                   |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| MA-1b                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| MA-1b                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| MGeo08                     |                          | 4.6                       | 2.6                           | 21                            | 641                         | 30                          | 14                           | 712                         | 1110                        | 11                          | 817                         |                             |                             |                              |                               |                               |
| MGeo08                     |                          | 4.3                       | 2.3                           | 21                            | 618                         | 30                          | 14                           | 698                         | 1085                        | 11                          | 788                         |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          | 3.2                       | 1.1                           | 17                            | 586                         | <10                         | 12                           | 621                         | 969                         | 10                          | 722                         |                             |                             |                              |                               |                               |
| Upper Bound                |                          | 5.6                       | 3.4                           | 23                            | 676                         | 50                          | 18                           | 761                         | 1190                        | 15                          | 886                         |                             |                             |                              |                               |                               |
| MGeo08                     |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 32.8                        | 0.65                         | 0.054                         | 0.153                         |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 29.6                        | 0.58                         | 0.045                         | 0.137                         |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 36.4                        | 0.73                         | 0.077                         | 0.179                         |
| OREAS 218                  |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| OREAS 220                  |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| OREAS 501b                 |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 19.5                        | 1.41                         | 0.010                         | 0.182                         |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 16.9                        | 1.43                         | 0.006                         |                               |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 20.9                        | 1.77                         | 0.030                         |                               |
| OREAS 602                  |                          | >100                      | 24.9                          | 10                            | 4970                        | 20                          | 4                            | 58                          | 1010                        | 4                           | 4040                        |                             |                             |                              |                               |                               |
| OREAS 602                  |                          | >100                      | 26.7                          | 10                            | 5210                        | 20                          | 4                            | 61                          | 1045                        | 4                           | 4130                        |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          | 107.5                     | 21.7                          | 7                             | 4790                        | <10                         | 2                            | 53                          | 918                         | 2                           | 3770                        |                             |                             |                              |                               |                               |
| Upper Bound                |                          | 100.0                     | 27.7                          | 12                            | 5510                        | 40                          | 7                            | 67                          | 1125                        | 6                           | 4610                        |                             |                             |                              |                               |                               |
| OREAS-101b                 |                          | 414                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| SCH-1                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Finalized Date: 24-DEC-2019  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313212**

| Sample Description         | Method Analyte Units LOD | ME-MS42<br>Re<br>ppm<br>0.001 | ME-MS42<br>Sb<br>ppm<br>0.05 | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02 | S-IR08<br>S<br>%<br>0.01 | C-IR07<br>C<br>%<br>0.01 |
|----------------------------|--------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------|--------------------------|
| <b>STANDARDS</b>           |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| AMIS0304                   |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| AMIS0461                   |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| GS310-10                   |                          |                               |                              |                             |                             |                              | 0.26                         | 1.06                     |                          |
| GS310-10                   |                          |                               |                              |                             |                             |                              | 0.26                         |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              | 0.25                         |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              | 0.29                         |                          |                          |
| MA-1b                      |                          |                               |                              |                             |                             |                              | 1.15                         | 2.43                     |                          |
| MA-1b                      |                          |                               |                              |                             |                             |                              | 1.15                         |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              | 1.12                         |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              | 1.22                         |                          |                          |
| MGeo08                     |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| MGeo08                     |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| MGeo08                     |                          | 0.007                         | 3.32                         | 7.4                         | 0.9                         | 0.02                         | 0.84                         |                          |                          |
| Target Range - Lower Bound |                          | 0.006                         | 2.80                         | 6.7                         | 0.6                         | <0.01                        | 0.64                         |                          |                          |
| Upper Bound                |                          | 0.010                         | 3.90                         | 8.4                         | 1.5                         | 0.04                         | 0.92                         |                          |                          |
| OREAS 218                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 220                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 501b                 |                          | 0.002                         | 0.48                         | 6.8                         | 2.8                         | 0.08                         | 0.67                         |                          |                          |
| Target Range - Lower Bound |                          |                               | 0.34                         | 6.3                         | 2.2                         | 0.05                         | 0.57                         |                          |                          |
| Upper Bound                |                          |                               | 0.64                         | 7.9                         | 3.3                         | 0.10                         | 0.81                         |                          |                          |
| OREAS 602                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 602                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS-101b                 |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| SCH-1                      |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Finalized Date: 24-DEC-2019  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313212**

| Sample Description         | Method Analyte Units LOD | ME-XRF26 Al2O3 % | ME-XRF26 BaO % | ME-XRF26 CaO % | ME-XRF26 Cr2O3 % | ME-XRF26 Fe2O3 % | ME-XRF26 K2O % | ME-XRF26 MgO % | ME-XRF26 MnO % | ME-XRF26 Na2O % | ME-XRF26 P2O5 % | ME-XRF26 SiO2 % | ME-XRF26 SrO % | ME-XRF26 TiO2 % | OA-GRA05x LOI 1000 % | ME-XRF26 Total % |
|----------------------------|--------------------------|------------------|----------------|----------------|------------------|------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------------|------------------|
| <b>BLANKS</b>              |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                          | <0.01            | 0.01           | <0.01          | <0.01            | <0.01            | <0.01          | 0.02           | <0.01          | 0.01            | <0.01           | 99.50           | <0.01          | 0.01            |                      | 99.55            |
| Target Range - Lower Bound |                          | <0.01            | <0.01          | <0.01          | <0.01            | <0.01            | <0.01          | <0.01          | <0.01          | <0.01           | <0.01           | <0.01           | <0.01          | <0.01           |                      | <0.01            |
| Upper Bound                |                          | 0.02             | 0.02           | 0.02           | 0.02             | 0.02             | 0.02           | 0.02           | 0.02           | 0.02            | 0.02            | 0.02            | 0.02           | 0.02            |                      | 0.02             |
| BLANK                      |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | -0.01                |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | <0.01                |                  |
| BLANK                      |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| <b>DUPLICATES</b>          |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| W933448                    |                          | 10.55            | 0.15           | 8.51           | 0.18             | 9.70             | 1.73           | 12.80          | 0.19           | 1.22            | 0.22            | 37.71           | 0.04           | 0.55            | 16.04                | 99.94            |
| DUP                        |                          | 10.54            | 0.14           | 8.51           | 0.17             | 9.69             | 1.72           | 12.85          | 0.19           | 1.22            | 0.22            | 37.76           | 0.04           | 0.55            | 15.92                | 99.98            |
| Target Range - Lower Bound |                          | 10.38            | 0.13           | 8.37           | 0.16             | 9.54             | 1.67           | 12.60          | 0.18           | 1.18            | 0.20            | 37.16           | 0.03           | 0.53            | 15.57                | 98.95            |
| Upper Bound                |                          | 10.71            | 0.16           | 8.65           | 0.19             | 9.85             | 1.78           | 13.05          | 0.20           | 1.26            | 0.24            | 38.31           | 0.05           | 0.57            | 16.39                | 100.95           |
| W933455                    |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| DUP                        |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313212**

| Method Analyte Units LOD   | ME-MS81 Ba ppm 0.5 | ME-MS81 Ce ppm 0.1 | ME-MS81 Cr ppm 10 | ME-MS81 Cs ppm 0.01 | ME-MS81 Dy ppm 0.05 | ME-MS81 Er ppm 0.03 | ME-MS81 Eu ppm 0.03 | ME-MS81 Ga ppm 0.1 | ME-MS81 Gd ppm 0.05 | ME-MS81 Ge ppm 5 | ME-MS81 Hf ppm 0.2 | ME-MS81 Ho ppm 0.01 | ME-MS81 La ppm 0.1 | ME-MS81 Lu ppm 0.01 | ME-MS81 Nb ppm 0.2 |
|----------------------------|--------------------|--------------------|-------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|------------------|--------------------|---------------------|--------------------|---------------------|--------------------|
| <b>BLANKS</b>              |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| BLANK                      |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| BLANK                      |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| BLANK                      |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| BLANK                      | 0.5                | <0.1               | <10               | 0.01                | <0.05               | <0.03               | <0.03               | 0.1                | <0.05               | <5               | <0.2               | <0.01               | <0.1               | <0.01               | <0.2               |
| Target Range - Lower Bound | <0.5               | <0.1               | <10               | <0.01               | <0.05               | <0.03               | <0.03               | <0.1               | <0.05               |                  | <0.2               | <0.01               | <0.1               | <0.01               | <0.2               |
| Upper Bound                | 1.0                | 0.2                | 20                | 0.02                | 0.10                | 0.06                | 0.06                | 0.2                | 0.10                |                  | 0.4                | 0.02                | 0.2                | 0.02                | 0.4                |
| BLANK                      |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| BLANK                      |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| BLANK                      |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| BLANK                      |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| <b>DUPLICATES</b>          |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| W933448                    |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| DUP                        |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| W933455                    |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| DUP                        |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |

Comments: ME-XRF26: High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total). The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313212**

| Method Analyte Units LOD   | ME-MS81 Nd ppm 0.1 | ME-MS81 Pr ppm 0.03 | ME-MS81 Rb ppm 0.2 | ME-MS81 Sm ppm 0.03 | ME-MS81 Sn ppm 1 | ME-MS81 Sr ppm 0.1 | ME-MS81 Ta ppm 0.1 | ME-MS81 Tb ppm 0.01 | ME-MS81 Th ppm 0.05 | ME-MS81 Tm ppm 0.01 | ME-MS81 U ppm 0.05 | ME-MS81 V ppm 5 | ME-MS81 W ppm 1 | ME-MS81 Y ppm 0.1 | ME-MS81 Yb ppm 0.03 |
|----------------------------|--------------------|---------------------|--------------------|---------------------|------------------|--------------------|--------------------|---------------------|---------------------|---------------------|--------------------|-----------------|-----------------|-------------------|---------------------|
| <b>BLANKS</b>              |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| BLANK                      |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| BLANK                      |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| BLANK                      |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| BLANK                      | <0.1               | <0.03               | <0.2               | <0.03               | <1               | <0.1               | 0.1                | <0.01               | <0.05               | <0.01               | <0.05              | <5              | 1               | <0.1              | <0.03               |
| Target Range - Lower Bound | <0.1               | <0.03               | <0.2               | <0.03               | <1               | <0.1               | <0.1               | <0.01               | <0.05               | <0.01               | <0.05              | <5              | <1              | <0.1              | <0.03               |
| Upper Bound                | 0.2                | 0.06                | 0.4                | 0.06                | 2                | 0.2                | 0.2                | 0.02                | 0.10                | 0.02                | 0.10               | 10              | 2               | 0.2               | 0.06                |
| BLANK                      |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| BLANK                      |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| BLANK                      |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| BLANK                      |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| <b>DUPLICATES</b>          |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| W933448                    |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| DUP                        |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| W933455                    |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| DUP                        |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |

Comments: ME-XRF26: High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total). The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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**QC CERTIFICATE OF ANALYSIS TM19313212**

| Method Analyte Units LOD   | ME-MS81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 |
|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|---------|---------|
| Sample Description         | Zr ppm  | Ag ppm    | Cd ppm    | Co ppm    | Cu ppm    | Li ppm    | Mo ppm    | Ni ppm    | Pb ppm    | Sc ppm    | Zn ppm    | As ppm  | Bi ppm  | Hg ppm  | In ppm  |
|                            | 2       | 0.5       | 0.5       | 1         | 1         | 10        | 1         | 1         | 2         | 1         | 2         | 0.1     | 0.01    | 0.005   | 0.005   |
| <b>BLANKS</b>              |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| BLANK                      |         | <0.5      | <0.5      | <1        | 1         | <10       | <1        | <1        | <2        | <1        | <2        |         |         |         |         |
| BLANK                      |         | <0.5      | <0.5      | <1        | 1         | <10       | <1        | <1        | <2        | <1        | <2        |         |         |         |         |
| Target Range - Lower Bound |         | <0.5      | <0.5      | <1        | <1        |           | <1        | <1        | <2        | <1        | <2        |         |         |         |         |
| Upper Bound                |         | 1.0       | 1.0       | 2         | 2         |           | 2         | 2         | 4         |           | 4         |         |         |         |         |
| BLANK                      |         |           |           |           |           |           |           |           |           |           |           | <0.1    | <0.01   | <0.005  | <0.005  |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           | <0.1    | <0.01   | <0.005  | <0.005  |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           | 0.2     | 0.02    | 0.010   | 0.010   |
| BLANK                      | <2      |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound | <2      |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                | 4       |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| BLANK                      |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| BLANK                      |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| BLANK                      |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| <b>DUPLICATES</b>          |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| W933448                    |         |           |           |           |           |           |           |           |           |           |           | 0.3     | 0.04    | <0.005  | 0.042   |
| DUP                        |         |           |           |           |           |           |           |           |           |           |           | 0.1     | 0.04    | <0.005  | 0.041   |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           | <0.1    | 0.03    | <0.005  | 0.034   |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           | 0.3     | 0.05    | 0.010   | 0.049   |
| W933455                    |         | <0.5      | <0.5      | 16        | 35        | 10        | 1         | 18        | 21        | 11        | 81        |         |         |         |         |
| DUP                        |         | <0.5      | <0.5      | 16        | 33        | 10        | <1        | 19        | 24        | 11        | 79        |         |         |         |         |
| Target Range - Lower Bound |         | <0.5      | <0.5      | 14        | 32        | <10       | <1        | 17        | 19        | 9         | 74        |         |         |         |         |
| Upper Bound                |         | 1.0       | 1.0       | 18        | 36        | 20        | 2         | 20        | 26        | 13        | 86        |         |         |         |         |

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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**QC CERTIFICATE OF ANALYSIS TM19313212**

| Sample Description         | Method Analyte Units LOD | ME-MS42 Re ppm 0.001 | ME-MS42 Sb ppm 0.05 | ME-MS42 Sc ppm 0.1 | ME-MS42 Se ppm 0.2 | ME-MS42 Te ppm 0.01 | ME-MS42 Tl ppm 0.02 | S-IR08 S % 0.01 | C-IR07 C % 0.01 |
|----------------------------|--------------------------|----------------------|---------------------|--------------------|--------------------|---------------------|---------------------|-----------------|-----------------|
| <b>BLANKS</b>              |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| BLANK                      |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| BLANK                      |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| Target Range - Lower Bound |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| Upper Bound                |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| BLANK                      |                          | <0.001               | <0.05               | <0.1               | <0.2               | <0.01               | <0.02               |                 |                 |
| Target Range - Lower Bound |                          | <0.001               | <0.05               | <0.1               | <0.2               | <0.01               | <0.02               |                 |                 |
| Upper Bound                |                          | 0.002                | 0.10                | 0.2                | 0.4                | 0.02                | 0.04                |                 |                 |
| BLANK                      |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| Target Range - Lower Bound |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| Upper Bound                |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| BLANK                      |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| Target Range - Lower Bound |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| Upper Bound                |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| BLANK                      |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| Target Range - Lower Bound |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| Upper Bound                |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| BLANK                      |                          |                      |                     |                    |                    |                     | 0.01                | <0.01           |                 |
| BLANK                      |                          |                      |                     |                    |                    |                     | <0.01               |                 |                 |
| Target Range - Lower Bound |                          |                      |                     |                    |                    |                     | <0.01               |                 |                 |
| Upper Bound                |                          |                      |                     |                    |                    |                     | 0.02                |                 |                 |
| <b>DUPLICATES</b>          |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| W933448                    |                          | <0.001               | <0.05               | 21.7               | 0.2                | 0.03                | 0.08                |                 |                 |
| DUP                        |                          | <0.001               | <0.05               | 22.2               | <0.2               | 0.02                | 0.08                |                 |                 |
| Target Range - Lower Bound |                          | <0.001               | <0.05               | 20.8               | <0.2               | <0.01               | 0.05                |                 |                 |
| Upper Bound                |                          | 0.002                | 0.10                | 23.1               | 0.4                | 0.04                | 0.11                |                 |                 |
| W933455                    |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| DUP                        |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| Target Range - Lower Bound |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| Upper Bound                |                          |                      |                     |                    |                    |                     |                     |                 |                 |

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313212**

| Sample Description                                           | Method<br>Analyte<br>Units<br>LOD | ME-XRF26<br>Al2O3<br>% | ME-XRF26<br>BaO<br>% | ME-XRF26<br>CaO<br>% | ME-XRF26<br>Cr2O3<br>% | ME-XRF26<br>Fe2O3<br>% | ME-XRF26<br>K2O<br>% | ME-XRF26<br>MgO<br>% | ME-XRF26<br>MnO<br>% | ME-XRF26<br>Na2O<br>% | ME-XRF26<br>P2O5<br>% | ME-XRF26<br>SiO2<br>% | ME-XRF26<br>SrO<br>% | ME-XRF26<br>TiO2<br>% | OA-GRA05x<br>LOI 1000<br>% | ME-XRF26<br>Total<br>% |
|--------------------------------------------------------------|-----------------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------|-----------------------|-----------------------|----------------------|-----------------------|----------------------------|------------------------|
|                                                              |                                   | 0.01                   | 0.01                 | 0.01                 | 0.01                   | 0.01                   | 0.01                 | 0.01                 | 0.01                 | 0.01                  | 0.01                  | 0.01                  | 0.01                 | 0.01                  | 0.01                       | 0.01                   |
| <b>DUPLICATES</b>                                            |                                   |                        |                      |                      |                        |                        |                      |                      |                      |                       |                       |                       |                      |                       |                            |                        |
| W933648<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                                   |                        |                      |                      |                        |                        |                      |                      |                      |                       |                       |                       |                      |                       |                            |                        |
| W933677<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                                   |                        |                      |                      |                        |                        |                      |                      |                      |                       |                       |                       |                      |                       |                            |                        |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                                   |                        |                      |                      |                        |                        |                      |                      |                      |                       |                       |                       |                      |                       |                            |                        |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                                   |                        |                      |                      |                        |                        |                      |                      |                      |                       |                       |                       |                      |                       |                            |                        |

Comments: ME-XRF26: High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total). The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Finalized Date: 24-DEC-2019  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313212**

| Method Analyte Units LOD   | ME-MS81 Ba ppm    | ME-MS81 Ce ppm | ME-MS81 Cr ppm | ME-MS81 Cs ppm | ME-MS81 Dy ppm | ME-MS81 Er ppm | ME-MS81 Eu ppm | ME-MS81 Ga ppm | ME-MS81 Gd ppm | ME-MS81 Ge ppm | ME-MS81 Hf ppm | ME-MS81 Ho ppm | ME-MS81 La ppm | ME-MS81 Lu ppm | ME-MS81 Nb ppm |
|----------------------------|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Sample Description         | 0.5               | 0.1            | 10             | 0.01           | 0.05           | 0.03           | 0.03           | 0.1            | 0.05           | 5              | 0.2            | 0.01           | 0.1            | 0.01           | 0.2            |
|                            | <b>DUPLICATES</b> |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| W933648                    | 2050              | 115.0          | 320            | 3.04           | 3.83           | 1.81           | 2.17           | 19.5           | 6.46           | <5             | 4.0            | 0.65           | 56.0           | 0.17           | 5.0            |
| DUP                        | 2140              | 117.0          | 340            | 3.04           | 3.95           | 1.91           | 2.39           | 20.5           | 6.79           | <5             | 3.9            | 0.73           | 56.6           | 0.21           | 5.5            |
| Target Range - Lower Bound | 1990              | 110.0          | 300            | 2.88           | 3.65           | 1.74           | 2.14           | 18.9           | 6.24           | <5             | 3.6            | 0.65           | 53.4           | 0.17           | 4.8            |
| Upper Bound                | 2200              | 122.0          | 360            | 3.20           | 4.13           | 1.98           | 2.42           | 21.1           | 7.01           | 10             | 4.3            | 0.73           | 59.2           | 0.21           | 5.7            |
| W933677                    |                   |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| DUP                        |                   |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                   |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                   |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| ORIGINAL                   |                   |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| DUP                        |                   |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                   |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                   |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| ORIGINAL                   |                   |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| DUP                        |                   |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                   |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                   |                |                |                |                |                |                |                |                |                |                |                |                |                |                |

Comments: ME-XRF26: High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total). The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313212**

| Sample Description         | Method | Analyte | Units | LOD | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |     |      |      |
|----------------------------|--------|---------|-------|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----|------|------|
|                            |        |         |       |     | Nd      | Pr      | Rb      | Sm      | Sn      | Sr      | Ta      | Tb      | Th      | Tm      | U       | V       | W   | Y    | Yb   |
|                            |        |         |       |     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm | ppm  | ppm  |
|                            |        |         |       |     | 0.1     | 0.03    | 0.2     | 0.03    | 1       | 0.1     | 0.1     | 0.01    | 0.05    | 0.01    | 0.05    | 5       | 1   | 0.1  | 0.03 |
| <b>DUPLICATES</b>          |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |     |      |      |
| W933648                    |        |         |       |     | 56.1    | 13.85   | 73.3    | 8.90    | 1       | 1120    | 0.8     | 0.74    | 8.89    | 0.21    | 2.56    | 162     | 1   | 17.9 | 1.40 |
| DUP                        |        |         |       |     | 56.7    | 14.10   | 75.7    | 9.65    | 1       | 1175    | 0.9     | 0.74    | 9.50    | 0.21    | 2.68    | 171     | 1   | 18.7 | 1.44 |
| Target Range - Lower Bound |        |         |       |     | 53.5    | 13.25   | 70.6    | 8.78    | <1      | 1090    | 0.7     | 0.69    | 8.69    | 0.19    | 2.44    | 153     | <1  | 17.3 | 1.32 |
| Upper Bound                |        |         |       |     | 59.3    | 14.70   | 78.4    | 9.77    | 2       | 1205    | 1.0     | 0.79    | 9.70    | 0.23    | 2.80    | 180     | 2   | 19.3 | 1.52 |
| W933677                    |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |     |      |      |
| DUP                        |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |     |      |      |
| Target Range - Lower Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |     |      |      |
| Upper Bound                |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |     |      |      |
| ORIGINAL                   |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |     |      |      |
| DUP                        |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |     |      |      |
| Target Range - Lower Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |     |      |      |
| Upper Bound                |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |     |      |      |

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313212**

| Method Analyte Units LOD   | ME-MS81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 |
|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|---------|---------|
| Sample Description         | Zr ppm  | Ag ppm    | Cd ppm    | Co ppm    | Cu ppm    | Li ppm    | Mo ppm    | Ni ppm    | Pb ppm    | Sc ppm    | Zn ppm    | As ppm  | Bi ppm  | Hg ppm  | In ppm  |
|                            | 2       | 0.5       | 0.5       | 1         | 1         | 10        | 1         | 1         | 2         | 1         | 2         | 0.1     | 0.01    | 0.005   | 0.005   |
| <b>DUPLICATES</b>          |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| W933648                    | 136     |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| DUP                        | 147     |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound | 132     |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                | 151     |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| W933677                    |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| DUP                        |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| ORIGINAL                   |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| DUP                        |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| ORIGINAL                   |         | 1.0       | 0.6       | 6         | >10000    | 10        | 190       | 21        | 542       | 18        | 42        |         |         |         |         |
| DUP                        |         | 0.9       | 0.5       | 6         | >10000    | 10        | 190       | 23        | 566       | 20        | 42        |         |         |         |         |
| Target Range - Lower Bound |         | <0.5      | <0.5      | 5         | 9650      | <10       | 180       | 20        | 524       | 17        | 38        |         |         |         |         |
| Upper Bound                |         | 1.0       | 1.0       | 7         | >10000    | 20        | 201       | 24        | 584       | 21        | 46        |         |         |         |         |

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313212**

| Sample Description                                           | Method Analyte Units LOD | ME-MS42<br>Re<br>ppm<br>0.001 | ME-MS42<br>Sb<br>ppm<br>0.05 | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02  | S-IR08<br>S<br>%<br>0.01      | C-IR07<br>C<br>%<br>0.01 |
|--------------------------------------------------------------|--------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|--------------------------|
| <b>DUPLICATES</b>                                            |                          |                               |                              |                             |                             |                              |                               |                               |                          |
| W933648<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                               |                              |                             |                             |                              |                               |                               |                          |
| W933677<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                               |                              |                             |                             |                              | 0.72<br>0.73<br>0.70<br>0.75  |                               |                          |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                               |                              |                             |                             |                              | 0.01<br>0.01<br><0.01<br>0.02 | 0.01<br>0.01<br><0.01<br>0.02 |                          |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                               |                              |                             |                             |                              |                               |                               |                          |

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

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ALS Canada Ltd.  
2103 Dollarton Hwy  
North Vancouver BC V7H 0A7  
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
www.alsglobal.com/geochemistry

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**QC CERTIFICATE OF ANALYSIS TM19313212**

### CERTIFICATE COMMENTS

#### LABORATORY ADDRESSES

|                    |                                                                                        |          |           |         |
|--------------------|----------------------------------------------------------------------------------------|----------|-----------|---------|
| Applies to Method: | Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. |          |           |         |
|                    | C-IR07                                                                                 | FND-02   | ME-4ACD81 | ME-MS42 |
|                    | ME-MS81                                                                                | ME-XRF26 | OA-GRA05x | S-IR08  |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

**CERTIFICATE TM19309102**

Project: Golden Perimeter  
 P.O. No.: GP-280A-22  
 This report is for 78 Drill Core samples submitted to our lab in Timmins, ON, Canada on 5-DEC-2019.  
 The following have access to data associated with this certificate:

|                |              |              |
|----------------|--------------|--------------|
| IAN DUNLOP     | DARWIN GREEN | NEAL MAGUIRE |
| CONOR MCKINLEY |              |              |

| SAMPLE PREPARATION |                                 |
|--------------------|---------------------------------|
| ALS CODE           | DESCRIPTION                     |
| WEI-21             | Received Sample Weight          |
| LOG-21             | Sample logging - ClientBarCode  |
| CRU-QC             | Crushing QC Test                |
| PUL-QC             | Pulverizing QC Test             |
| CRU-31             | Fine crushing - 70% <2mm        |
| SPL-21             | Split sample - riffle splitter  |
| PUL-31             | Pulverize up to 250g 85% <75 um |
| LOG-23             | Pulp Login - Rcvd with Barcode  |

| ANALYTICAL PROCEDURES |                               |            |
|-----------------------|-------------------------------|------------|
| ALS CODE              | DESCRIPTION                   | INSTRUMENT |
| ME-ICP61              | 33 element four acid ICP-AES  | ICP-AES    |
| Au-AA26               | Ore Grade Au 50g FA AA finish | AAS        |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:   
 Saa Traxler, General Manager, North Vancouver





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19309102**

| Sample Description | Method  | WEI-21    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |     |
|--------------------|---------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|
|                    | Analyte | Recvd Wt. | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga  |
|                    | Units   | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm |
|                    | LOD     | 0.02      | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10  |
| W933274            |         | 0.69      | 0.05    | <0.5     | 7.77     | <5       | 2510     | 2.0      | <2       | 2.39     | <0.5     | 12       | 41       | 158      | 2.82     | 20  |
| W933275            |         | 0.57      | 0.01    | <0.5     | 7.35     | <5       | 2210     | 2.0      | <2       | 2.32     | <0.5     | 9        | 29       | 75       | 2.43     | 20  |
| W933276            |         | 0.27      | 0.12    | <0.5     | 7.57     | <5       | 3190     | 2.3      | <2       | 3.38     | <0.5     | 12       | 36       | 61       | 2.92     | 20  |
| W933277            |         | 0.21      | 0.01    | <0.5     | 6.79     | <5       | 2080     | 1.7      | <2       | 3.22     | <0.5     | 11       | 28       | 22       | 2.42     | 20  |
| W933278            |         | 0.56      | 0.13    | <0.5     | 7.13     | <5       | 1980     | 1.8      | <2       | 3.02     | <0.5     | 12       | 31       | 38       | 2.65     | 20  |
| W933279            |         | 0.82      | <0.01   | <0.5     | 8.02     | <5       | 3810     | 1.9      | <2       | 2.49     | <0.5     | 12       | 35       | 22       | 2.96     | 20  |
| W933280            |         | 0.06      | 0.52    | <0.5     | 7.21     | 8        | 160      | <0.5     | <2       | 7.05     | <0.5     | 47       | 161      | 158      | 8.27     | 20  |
| W933281            |         | 0.74      | 0.01    | 2.0      | 7.20     | <5       | 990      | 1.9      | 13       | 2.20     | <0.5     | 10       | 32       | 18       | 2.69     | 20  |
| W933282            |         | 0.34      | 0.01    | 0.6      | 6.44     | <5       | 1920     | 1.7      | <2       | 2.20     | <0.5     | 10       | 34       | 26       | 2.46     | 20  |
| W933283            |         | 0.46      | 0.01    | <0.5     | 8.11     | <5       | 2770     | 2.1      | <2       | 2.46     | <0.5     | 11       | 36       | 33       | 2.89     | 20  |
| W933284            |         | 0.44      | 0.01    | 2.5      | 6.57     | <5       | 2600     | 1.7      | 7        | 2.50     | <0.5     | 9        | 28       | 33       | 2.40     | 20  |
| W933285            |         | 0.33      | 0.04    | 2.7      | 7.30     | <5       | 2750     | 1.8      | 14       | 2.57     | <0.5     | 12       | 32       | 61       | 2.77     | 20  |
| W933286            |         | 0.55      | 0.01    | <0.5     | 7.87     | <5       | 3010     | 2.2      | <2       | 2.83     | <0.5     | 11       | 34       | 49       | 2.93     | 20  |
| W933287            |         | 0.82      | 0.01    | 0.6      | 6.60     | <5       | 2200     | 1.8      | <2       | 2.52     | <0.5     | 11       | 31       | 48       | 2.60     | 20  |
| W933288            |         | 0.42      | 0.01    | <0.5     | 7.87     | <5       | 2730     | 2.1      | <2       | 2.26     | <0.5     | 12       | 30       | 95       | 2.88     | 20  |
| W933289            |         | 0.43      | 0.03    | <0.5     | 7.11     | <5       | 2390     | 2.0      | <2       | 3.78     | <0.5     | 14       | 31       | 205      | 3.07     | 20  |
| W933290            |         | 0.26      | <0.01   | <0.5     | 1.55     | <5       | 30       | <0.5     | <2       | 0.03     | <0.5     | 1        | 13       | 3        | 0.69     | <10 |
| W933291            |         | 0.80      | 0.02    | <0.5     | 7.37     | <5       | 2810     | 2.1      | <2       | 3.00     | <0.5     | 21       | 74       | 171      | 3.56     | 20  |
| W933292            |         | 0.53      | 0.01    | <0.5     | 7.82     | <5       | 2030     | 1.8      | <2       | 1.98     | <0.5     | 9        | 26       | 136      | 2.26     | 20  |
| W933293            |         | 0.23      | 0.04    | <0.5     | 7.69     | <5       | 910      | 2.1      | <2       | 2.50     | <0.5     | 9        | 32       | 67       | 2.42     | 20  |
| W933294            |         | 0.42      | 0.01    | <0.5     | 8.19     | <5       | 2380     | 2.5      | <2       | 2.46     | <0.5     | 13       | 38       | 140      | 3.02     | 20  |
| W933295            |         | 0.50      | 0.01    | <0.5     | 7.88     | <5       | 1730     | 2.3      | <2       | 3.80     | <0.5     | 23       | 78       | 124      | 4.21     | 20  |
| W933296            |         | 0.87      | 0.01    | <0.5     | 7.76     | <5       | 1850     | 2.2      | <2       | 3.80     | <0.5     | 24       | 77       | 104      | 4.55     | 20  |
| W933297            |         | 0.81      | <0.01   | <0.5     | 7.68     | <5       | 2980     | 2.1      | <2       | 3.89     | <0.5     | 22       | 69       | 89       | 4.21     | 20  |
| W933298            |         | 0.44      | 0.18    | <0.5     | 7.94     | <5       | 1630     | 2.2      | 3        | 1.14     | <0.5     | 5        | 14       | 231      | 1.45     | 20  |
| W933299            |         | 1.05      | 0.01    | 0.7      | 7.65     | <5       | 1970     | 3.0      | 5        | 3.10     | <0.5     | 16       | 49       | 116      | 3.47     | 20  |
| W933300            |         | 0.06      | 0.53    | <0.5     | 6.87     | <5       | 150      | <0.5     | 3        | 6.62     | <0.5     | 42       | 154      | 154      | 8.01     | 20  |
| W933301            |         | 1.80      | 0.01    | <0.5     | 7.90     | <5       | 1880     | 2.8      | 4        | 3.55     | <0.5     | 22       | 67       | 133      | 4.40     | 20  |
| W933302            |         | 1.69      | <0.01   | <0.5     | 7.75     | <5       | 2080     | 3.3      | 3        | 3.26     | <0.5     | 19       | 62       | 129      | 3.82     | 20  |
| W933303            |         | 1.07      | <0.01   | <0.5     | 7.79     | <5       | 2680     | 4.7      | 2        | 2.74     | <0.5     | 14       | 74       | 23       | 3.51     | 20  |
| W933304            |         | 0.55      | <0.01   | <0.5     | 5.80     | <5       | 1700     | 3.8      | 4        | 4.13     | <0.5     | 31       | 421      | 29       | 3.68     | 20  |
| W933305            |         | 0.41      | 0.01    | <0.5     | 7.16     | <5       | 2320     | 3.3      | <2       | 3.00     | <0.5     | 13       | 49       | 110      | 3.67     | 20  |
| W933306            |         | 0.41      | 0.06    | <0.5     | 7.23     | <5       | 2350     | 3.2      | 2        | 3.16     | <0.5     | 13       | 39       | 95       | 3.42     | 20  |
| W933307            |         | 0.48      | 0.01    | <0.5     | 7.54     | <5       | 2710     | 3.2      | 6        | 3.09     | <0.5     | 13       | 40       | 123      | 3.63     | 20  |
| W933308            |         | 0.70      | 0.04    | <0.5     | 8.02     | <5       | 2490     | 3.4      | 2        | 2.16     | <0.5     | 9        | 29       | 213      | 2.68     | 20  |
| W933309            |         | 0.81      | 0.12    | 1.0      | 7.66     | <5       | 2280     | 2.8      | 9        | 2.02     | <0.5     | 10       | 25       | 101      | 2.72     | 20  |
| W933310            |         | 0.38      | <0.01   | <0.5     | 1.23     | <5       | 80       | <0.5     | <2       | 0.12     | <0.5     | 1        | 13       | 1        | 0.93     | <10 |
| W933311            |         | 0.51      | 0.14    | <0.5     | 7.37     | <5       | 2050     | 2.7      | 6        | 2.34     | <0.5     | 13       | 110      | 60       | 2.56     | 20  |
| W933312            |         | 0.57      | 0.02    | <0.5     | 2.62     | <5       | 110      | 2.1      | 2        | 6.33     | <0.5     | 65       | 1160     | 32       | 5.08     | 10  |
| W933313            |         | 0.28      | 0.27    | 0.9      | 7.72     | <5       | 2860     | 2.9      | 5        | 2.66     | <0.5     | 14       | 42       | 88       | 3.43     | 20  |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19309102**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| W933274            |                          | 2.57     | 40       | 1.36     | 583      | 1        | 3.78     | 23       | 1140     | 28       | 0.14     | <5       | 8        | 1175     | <20      | 0.21 |
| W933275            |                          | 2.56     | 30       | 1.11     | 542      | <1       | 3.60     | 15       | 970      | 40       | 0.10     | <5       | 7        | 1020     | <20      | 0.18 |
| W933276            |                          | 2.54     | 40       | 1.26     | 645      | <1       | 3.67     | 16       | 1230     | 24       | 0.43     | <5       | 8        | 608      | <20      | 0.22 |
| W933277            |                          | 2.28     | 30       | 1.02     | 649      | <1       | 3.54     | 14       | 1100     | 25       | 0.29     | <5       | 7        | 720      | <20      | 0.17 |
| W933278            |                          | 2.02     | 40       | 1.18     | 604      | 116      | 3.39     | 16       | 1120     | 54       | 0.26     | <5       | 8        | 745      | <20      | 0.20 |
| W933279            |                          | 2.61     | 50       | 1.37     | 610      | 1        | 3.75     | 16       | 1180     | 23       | 0.06     | <5       | 9        | 1560     | <20      | 0.22 |
| W933280            |                          | 0.20     | <10      | 4.27     | 1385     | <1       | 2.22     | 100      | 430      | 2        | 0.15     | <5       | 44       | 121      | <20      | 0.65 |
| W933281            |                          | 2.24     | 40       | 1.22     | 561      | 329      | 3.43     | 15       | 1000     | 254      | 1.38     | <5       | 7        | 547      | <20      | 0.17 |
| W933282            |                          | 1.68     | 40       | 1.12     | 508      | 254      | 3.31     | 15       | 950      | 62       | 0.54     | <5       | 8        | 711      | <20      | 0.18 |
| W933283            |                          | 2.46     | 50       | 1.41     | 617      | 32       | 4.02     | 16       | 1230     | 58       | 0.20     | <5       | 9        | 1340     | <20      | 0.22 |
| W933284            |                          | 2.22     | 40       | 1.08     | 557      | 279      | 3.17     | 11       | 940      | 542      | 0.58     | <5       | 7        | 739      | <20      | 0.17 |
| W933285            |                          | 2.38     | 40       | 1.22     | 610      | 589      | 3.51     | 15       | 1090     | 376      | 0.56     | <5       | 8        | 988      | <20      | 0.19 |
| W933286            |                          | 2.26     | 40       | 1.30     | 633      | 15       | 4.01     | 15       | 1210     | 32       | 0.69     | <5       | 9        | 825      | <20      | 0.21 |
| W933287            |                          | 1.94     | 40       | 0.95     | 553      | 109      | 3.36     | 14       | 1010     | 75       | 0.89     | <5       | 7        | 695      | <20      | 0.17 |
| W933288            |                          | 2.72     | 50       | 1.38     | 534      | 1        | 3.64     | 15       | 1220     | 43       | 0.41     | <5       | 9        | 914      | <20      | 0.21 |
| W933289            |                          | 1.97     | 50       | 1.34     | 976      | <1       | 4.15     | 18       | 1420     | 16       | 1.00     | <5       | 9        | 479      | <20      | 0.20 |
| W933290            |                          | 0.07     | 20       | 0.01     | 34       | <1       | 0.03     | 4        | 70       | <2       | 0.01     | <5       | 1        | 39       | <20      | 0.03 |
| W933291            |                          | 2.95     | 50       | 1.85     | 739      | 113      | 3.24     | 42       | 1350     | 57       | 0.60     | <5       | 11       | 801      | <20      | 0.25 |
| W933292            |                          | 3.17     | 30       | 0.82     | 415      | 4        | 4.17     | 13       | 980      | 36       | 0.29     | <5       | 6        | 743      | <20      | 0.16 |
| W933293            |                          | 1.84     | 30       | 1.05     | 569      | <1       | 4.78     | 15       | 1180     | 24       | 0.35     | <5       | 7        | 595      | <20      | 0.15 |
| W933294            |                          | 3.10     | 40       | 1.30     | 632      | <1       | 4.16     | 21       | 1410     | 27       | 0.22     | <5       | 9        | 1205     | <20      | 0.22 |
| W933295            |                          | 1.89     | 50       | 2.76     | 791      | 13       | 4.34     | 93       | 1550     | 29       | 0.48     | <5       | 12       | 1000     | <20      | 0.30 |
| W933296            |                          | 2.02     | 50       | 2.95     | 797      | 1        | 3.71     | 87       | 1600     | 30       | 0.25     | <5       | 14       | 1365     | <20      | 0.39 |
| W933297            |                          | 1.37     | 60       | 2.85     | 750      | <1       | 3.78     | 81       | 1440     | 58       | 0.18     | <5       | 13       | 1100     | <20      | 0.35 |
| W933298            |                          | 3.94     | 30       | 0.42     | 243      | <1       | 4.02     | 7        | 420      | 38       | 0.75     | <5       | 3        | 455      | <20      | 0.10 |
| W933299            |                          | 2.26     | 40       | 1.90     | 720      | 1        | 4.08     | 48       | 1390     | 83       | 0.48     | <5       | 10       | 887      | <20      | 0.27 |
| W933300            |                          | 0.19     | <10      | 4.07     | 1325     | 1        | 2.13     | 94       | 420      | 4        | 0.15     | <5       | 42       | 114      | <20      | 0.65 |
| W933301            |                          | 1.40     | 50       | 2.73     | 778      | 48       | 4.14     | 76       | 1560     | 31       | 0.33     | <5       | 13       | 1340     | 20       | 0.37 |
| W933302            |                          | 2.25     | 40       | 2.19     | 757      | 2        | 4.00     | 58       | 1530     | 24       | 0.34     | <5       | 11       | 1110     | <20      | 0.30 |
| W933303            |                          | 3.70     | 50       | 1.74     | 752      | <1       | 3.69     | 50       | 1700     | 41       | 0.10     | <5       | 10       | 1505     | 20       | 0.27 |
| W933304            |                          | 1.61     | 30       | 5.24     | 1035     | <1       | 2.41     | 455      | 940      | 37       | 0.09     | <5       | 11       | 808      | <20      | 0.15 |
| W933305            |                          | 2.85     | 60       | 1.74     | 861      | 21       | 3.54     | 26       | 1920     | 49       | 0.42     | <5       | 12       | 810      | <20      | 0.25 |
| W933306            |                          | 3.08     | 40       | 1.53     | 807      | <1       | 3.26     | 21       | 1730     | 26       | 0.44     | <5       | 10       | 738      | <20      | 0.23 |
| W933307            |                          | 3.29     | 40       | 1.53     | 848      | <1       | 3.30     | 24       | 1840     | 43       | 0.45     | <5       | 11       | 694      | <20      | 0.26 |
| W933308            |                          | 3.30     | 40       | 1.11     | 595      | 19       | 3.99     | 17       | 1340     | 41       | 0.30     | <5       | 7        | 763      | <20      | 0.19 |
| W933309            |                          | 3.00     | 40       | 1.04     | 559      | 54       | 3.71     | 16       | 1210     | 106      | 0.71     | <5       | 7        | 646      | <20      | 0.18 |
| W933310            |                          | 0.25     | 20       | 0.05     | 57       | <1       | 0.23     | 1        | 110      | 2        | <0.01    | <5       | 1        | 40       | <20      | 0.06 |
| W933311            |                          | 1.78     | 40       | 1.45     | 551      | 22       | 4.03     | 92       | 1120     | 56       | 0.38     | <5       | 7        | 503      | <20      | 0.16 |
| W933312            |                          | 0.86     | <10      | 11.30    | 1405     | <1       | 0.04     | 1175     | 40       | 2        | 0.13     | <5       | 14       | 226      | <20      | 0.06 |
| W933313            |                          | 2.51     | 30       | 1.40     | 632      | 23       | 3.94     | 36       | 1730     | 99       | 1.07     | <5       | 8        | 803      | <20      | 0.20 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19309102**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W933274            |                                   | <10      | <10      | 80       | <10      | 65       |
| W933275            |                                   | <10      | <10      | 65       | <10      | 58       |
| W933276            |                                   | <10      | <10      | 81       | 10       | 64       |
| W933277            |                                   | <10      | <10      | 70       | <10      | 52       |
| W933278            |                                   | <10      | <10      | 74       | 10       | 60       |
| W933279            |                                   | <10      | <10      | 81       | <10      | 66       |
| W933280            |                                   | <10      | <10      | 312      | <10      | 89       |
| W933281            |                                   | <10      | <10      | 69       | <10      | 55       |
| W933282            |                                   | <10      | <10      | 70       | <10      | 57       |
| W933283            |                                   | <10      | <10      | 83       | <10      | 68       |
| W933284            |                                   | <10      | <10      | 63       | <10      | 53       |
| W933285            |                                   | <10      | <10      | 75       | <10      | 60       |
| W933286            |                                   | <10      | <10      | 85       | <10      | 71       |
| W933287            |                                   | <10      | <10      | 69       | <10      | 50       |
| W933288            |                                   | <10      | <10      | 85       | <10      | 67       |
| W933289            |                                   | <10      | <10      | 93       | <10      | 42       |
| W933290            |                                   | <10      | <10      | 5        | <10      | 3        |
| W933291            |                                   | <10      | <10      | 106      | <10      | 83       |
| W933292            |                                   | <10      | <10      | 65       | <10      | 40       |
| W933293            |                                   | <10      | <10      | 70       | <10      | 42       |
| W933294            |                                   | <10      | <10      | 90       | <10      | 66       |
| W933295            |                                   | <10      | <10      | 116      | <10      | 88       |
| W933296            |                                   | <10      | <10      | 127      | <10      | 98       |
| W933297            |                                   | <10      | <10      | 120      | <10      | 108      |
| W933298            |                                   | <10      | <10      | 32       | <10      | 22       |
| W933299            |                                   | <10      | <10      | 102      | <10      | 79       |
| W933300            |                                   | <10      | <10      | 296      | <10      | 83       |
| W933301            |                                   | <10      | <10      | 124      | <10      | 92       |
| W933302            |                                   | <10      | <10      | 112      | <10      | 94       |
| W933303            |                                   | <10      | <10      | 96       | <10      | 77       |
| W933304            |                                   | <10      | <10      | 112      | <10      | 145      |
| W933305            |                                   | <10      | <10      | 109      | <10      | 84       |
| W933306            |                                   | <10      | <10      | 95       | <10      | 72       |
| W933307            |                                   | <10      | <10      | 102      | <10      | 71       |
| W933308            |                                   | <10      | <10      | 82       | <10      | 50       |
| W933309            |                                   | <10      | <10      | 74       | <10      | 47       |
| W933310            |                                   | <10      | <10      | 10       | <10      | 6        |
| W933311            |                                   | <10      | <10      | 80       | <10      | 55       |
| W933312            |                                   | <10      | <10      | 124      | <10      | 191      |
| W933313            |                                   | <10      | <10      | 89       | <10      | 64       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19309102**

| Sample Description | Method  | WEI-21    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|---------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    | Analyte | Recvd Wt. | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga       |
| Units              |         | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      |
| LOD                |         | 0.02      | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       |
| W933314            |         | 1.04      | 0.02    | <0.5     | 7.76     | <5       | 3030     | 3.2      | 3        | 2.57     | <0.5     | 13       | 33       | 48       | 3.15     | 20       |
| W933315            |         | 0.43      | 0.01    | <0.5     | 7.74     | <5       | 3400     | 2.8      | 2        | 2.54     | <0.5     | 10       | 31       | 135      | 2.98     | 20       |
| W933316            |         | 0.70      | 0.02    | 0.5      | 7.57     | <5       | 2190     | 2.3      | 9        | 2.10     | <0.5     | 9        | 31       | 80       | 2.49     | 20       |
| W933317            |         | 0.41      | 0.01    | <0.5     | 7.62     | <5       | 2080     | 2.4      | 3        | 2.18     | <0.5     | 8        | 32       | 46       | 2.48     | 20       |
| W933318            |         | 0.39      | 0.06    | <0.5     | 7.12     | 6        | 1810     | 2.8      | <2       | 1.78     | <0.5     | 6        | 29       | 83       | 2.12     | 20       |
| W933319            |         | 0.76      | 0.15    | <0.5     | 6.87     | <5       | 890      | 2.8      | 11       | 4.01     | <0.5     | 19       | 53       | 80       | 4.47     | 20       |
| W933320            |         | 0.06      | 0.54    | <0.5     | 7.18     | 6        | 150      | <0.5     | <2       | 6.97     | <0.5     | 44       | 163      | 160      | 8.34     | 20       |
| W933321            |         | 0.49      | 0.63    | <0.5     | 7.93     | <5       | 2190     | 2.4      | 4        | 2.66     | <0.5     | 13       | 34       | 106      | 2.95     | 20       |
| W933322            |         | 0.54      | 0.01    | 0.9      | 7.80     | <5       | 1690     | 3.0      | 11       | 2.46     | <0.5     | 10       | 35       | 59       | 2.69     | 20       |
| W933323            |         | 0.94      | 0.02    | <0.5     | 8.19     | <5       | 1530     | 3.8      | 3        | 1.95     | <0.5     | 13       | 37       | 90       | 2.92     | 20       |
| W933324            |         | 0.80      | 0.01    | 0.5      | 7.48     | <5       | 2560     | 3.8      | 5        | 2.40     | <0.5     | 11       | 51       | 228      | 3.07     | 20       |
| W933325            |         | 0.50      | 0.01    | <0.5     | 5.75     | <5       | 1430     | 3.1      | 2        | 3.39     | <0.5     | 28       | 410      | 98       | 3.92     | 20       |
| W933326            |         | 0.44      | 0.07    | <0.5     | 7.67     | <5       | 2310     | 2.3      | <2       | 2.93     | <0.5     | 11       | 34       | 376      | 2.90     | 20       |
| W933327            |         | 0.68      | <0.01   | <0.5     | 7.66     | <5       | 1930     | 2.3      | 3        | 3.22     | <0.5     | 21       | 57       | 180      | 4.09     | 20       |
| W933328            |         | 0.58      | <0.01   | <0.5     | 8.30     | <5       | 2180     | 4.0      | 4        | 2.47     | <0.5     | 12       | 47       | 78       | 3.40     | 20       |
| W933329            |         | 0.25      | <0.01   | <0.5     | 8.38     | <5       | 1170     | 3.5      | <2       | 2.29     | <0.5     | 13       | 45       | 97       | 2.71     | 20       |
| W933330            |         | 0.37      | <0.01   | <0.5     | 0.79     | <5       | 20       | <0.5     | <2       | 0.02     | <0.5     | 1        | 13       | 1        | 0.69     | <10      |
| W933331            |         | 0.66      | <0.01   | <0.5     | 3.22     | <5       | 180      | 0.8      | 5        | 3.80     | <0.5     | 82       | 1540     | 29       | 6.85     | 10       |
| W933332            |         | 0.26      | 0.01    | <0.5     | 6.64     | <5       | 1270     | 1.6      | <2       | 3.14     | <0.5     | 22       | 56       | 155      | 4.14     | 20       |
| W933333            |         | 0.18      | 0.05    | <0.5     | 7.17     | <5       | 1620     | 1.7      | <2       | 3.73     | <0.5     | 23       | 49       | 147      | 4.20     | 20       |
| W933334            |         | 0.15      | <0.01   | <0.5     | 7.80     | <5       | 2040     | 1.8      | <2       | 3.02     | <0.5     | 19       | 40       | 69       | 4.04     | 20       |
| W933335            |         | 0.36      | 0.01    | <0.5     | 7.52     | <5       | 1460     | 2.2      | <2       | 3.80     | <0.5     | 22       | 42       | 47       | 4.33     | 20       |
| W933336            |         | 0.18      | 0.02    | <0.5     | 7.59     | <5       | 2140     | 1.6      | <2       | 4.53     | <0.5     | 20       | 36       | 40       | 4.18     | 20       |
| W933337            |         | 0.23      | <0.01   | <0.5     | 8.20     | <5       | 2080     | 4.5      | <2       | 2.27     | <0.5     | 11       | 32       | 97       | 2.85     | 20       |
| W933338            |         | 0.40      | <0.01   | <0.5     | 7.72     | <5       | 2270     | 2.1      | <2       | 2.96     | <0.5     | 20       | 41       | 142      | 3.87     | 20       |
| W933339            |         | 0.60      | <0.01   | <0.5     | 7.25     | <5       | 1610     | 2.4      | <2       | 4.00     | <0.5     | 29       | 265      | 18       | 5.12     | 20       |
| W933340            |         | 0.06      | 0.54    | <0.5     | 7.20     | 6        | 150      | <0.5     | <2       | 7.08     | 0.5      | 47       | 160      | 162      | 8.42     | 10       |
| W933341            |         | 0.40      | 0.01    | <0.5     | 7.01     | <5       | 1700     | 2.2      | <2       | 3.63     | <0.5     | 26       | 251      | 58       | 4.51     | 20       |
| W933342            |         | 0.19      | <0.01   | <0.5     | 7.58     | <5       | 2640     | 2.2      | <2       | 3.20     | <0.5     | 18       | 73       | 115      | 3.58     | 20       |
| W933343            |         | 0.55      | <0.01   | <0.5     | 2.89     | <5       | 220      | 0.6      | <2       | 3.62     | <0.5     | 87       | 1460     | 21       | 6.44     | 10       |
| W933344            |         | 0.41      | 0.01    | 1.3      | 8.51     | <5       | 2860     | 3.0      | 2        | 2.56     | <0.5     | 12       | 39       | 44       | 2.65     | 20       |
| W933345            |         | 0.44      | 0.01    | <0.5     | 8.33     | <5       | 2540     | 3.2      | <2       | 2.54     | <0.5     | 14       | 36       | 56       | 2.97     | 20       |
| W933346            |         | 0.23      | <0.01   | <0.5     | 3.48     | <5       | 300      | 1.2      | <2       | 2.21     | <0.5     | 67       | 1010     | 43       | 5.16     | 10       |
| W933347            |         | 0.43      | 0.01    | <0.5     | 3.12     | <5       | 90       | 0.5      | <2       | 9.92     | 0.5      | 83       | 1530     | 60       | 6.07     | 10       |
| W933348            |         | 0.38      | 0.01    | <0.5     | 7.17     | <5       | 2880     | 2.8      | <2       | 3.24     | <0.5     | 17       | 52       | 117      | 3.75     | 20       |
| W933349            |         | 0.53      | 0.05    | 1.0      | 6.74     | <5       | 1930     | 2.5      | 6        | 3.55     | <0.5     | 13       | 49       | 136      | 2.95     | 20       |
| W933350            |         | 0.39      | <0.01   | <0.5     | 0.82     | <5       | 30       | <0.5     | <2       | 0.03     | <0.5     | 2        | 13       | 2        | 0.73     | <10      |
| W933351            |         | 0.51      | 0.01    | <0.5     | 7.26     | <5       | 2310     | 2.5      | <2       | 2.20     | <0.5     | 8        | 26       | 59       | 2.28     | 20       |



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19309102**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| W933314            |                          | 2.85     | 40       | 1.29     | 707      | 2        | 3.72     | 24       | 1680     | 37       | 0.40     | <5       | 8        | 1225     | <20      | 0.24 |
| W933315            |                          | 2.80     | 30       | 1.26     | 608      | 2        | 4.11     | 17       | 1640     | 31       | 0.78     | <5       | 8        | 900      | <20      | 0.20 |
| W933316            |                          | 3.11     | 30       | 1.04     | 555      | <1       | 3.92     | 18       | 1220     | 41       | 0.41     | <5       | 7        | 559      | <20      | 0.18 |
| W933317            |                          | 3.35     | 30       | 1.12     | 584      | 33       | 3.84     | 18       | 1150     | 105      | 0.21     | <5       | 7        | 676      | <20      | 0.19 |
| W933318            |                          | 3.30     | 30       | 1.09     | 447      | 2        | 2.44     | 17       | 1110     | 26       | 0.35     | <5       | 7        | 267      | <20      | 0.16 |
| W933319            |                          | 3.71     | 50       | 1.92     | 970      | 23       | 2.84     | 24       | 2390     | 41       | 1.86     | <5       | 16       | 523      | 20       | 0.23 |
| W933320            |                          | 0.20     | <10      | 4.27     | 1400     | <1       | 2.23     | 98       | 440      | 3        | 0.15     | <5       | 44       | 118      | <20      | 0.67 |
| W933321            |                          | 1.82     | 40       | 1.28     | 678      | 3        | 5.08     | 20       | 1410     | 45       | 1.08     | <5       | 8        | 482      | <20      | 0.15 |
| W933322            |                          | 2.42     | 40       | 1.24     | 609      | 4        | 4.57     | 20       | 1300     | 117      | 0.35     | <5       | 8        | 598      | <20      | 0.16 |
| W933323            |                          | 2.77     | 40       | 2.08     | 502      | 19       | 4.00     | 38       | 1170     | 65       | 0.24     | <5       | 9        | 673      | 20       | 0.20 |
| W933324            |                          | 3.17     | 40       | 1.53     | 668      | 21       | 3.87     | 26       | 1540     | 78       | 0.74     | <5       | 10       | 847      | 20       | 0.21 |
| W933325            |                          | 2.54     | 30       | 5.14     | 1155     | 9        | 2.46     | 388      | 1030     | 32       | 0.42     | <5       | 11       | 656      | <20      | 0.18 |
| W933326            |                          | 2.45     | 50       | 1.33     | 632      | <1       | 3.87     | 20       | 1180     | 26       | 0.65     | <5       | 9        | 835      | 20       | 0.22 |
| W933327            |                          | 2.04     | 50       | 2.42     | 702      | <1       | 3.98     | 65       | 1490     | 23       | 0.31     | <5       | 12       | 1160     | <20      | 0.34 |
| W933328            |                          | 3.78     | 40       | 1.52     | 764      | <1       | 3.94     | 30       | 1620     | 33       | 0.11     | <5       | 10       | 1115     | 20       | 0.27 |
| W933329            |                          | 2.72     | 40       | 1.12     | 601      | <1       | 4.89     | 28       | 1150     | 32       | 0.49     | <5       | 7        | 784      | 20       | 0.18 |
| W933330            |                          | 0.04     | 10       | 0.02     | 30       | <1       | 0.02     | 2        | 40       | <2       | <0.01    | <5       | <1       | 18       | <20      | 0.03 |
| W933331            |                          | 1.10     | <10      | 14.00    | 1170     | <1       | 0.02     | 1105     | 90       | 2        | 0.10     | <5       | 21       | 125      | <20      | 0.14 |
| W933332            |                          | 1.81     | 50       | 2.32     | 715      | 27       | 3.86     | 68       | 1410     | 24       | 1.24     | 8        | 10       | 563      | <20      | 0.17 |
| W933333            |                          | 1.85     | 50       | 2.33     | 744      | 1        | 3.51     | 55       | 1490     | 23       | 0.63     | 5        | 11       | 685      | <20      | 0.31 |
| W933334            |                          | 2.57     | 50       | 2.13     | 683      | 2        | 3.74     | 48       | 1430     | 34       | 0.13     | <5       | 11       | 1390     | <20      | 0.33 |
| W933335            |                          | 2.50     | 50       | 2.38     | 722      | 1        | 3.64     | 57       | 1580     | 31       | 0.23     | <5       | 12       | 860      | <20      | 0.37 |
| W933336            |                          | 1.69     | 50       | 2.28     | 796      | 16       | 3.91     | 48       | 1540     | 23       | 0.38     | <5       | 11       | 817      | <20      | 0.35 |
| W933337            |                          | 3.60     | 40       | 1.23     | 602      | 37       | 4.27     | 20       | 1180     | 38       | 0.15     | <5       | 7        | 1135     | 20       | 0.23 |
| W933338            |                          | 2.76     | 40       | 2.15     | 710      | 11       | 4.07     | 46       | 1470     | 29       | 0.26     | <5       | 11       | 1195     | <20      | 0.35 |
| W933339            |                          | 2.73     | 30       | 3.99     | 1055     | 1        | 3.33     | 92       | 1540     | 16       | 0.04     | 5        | 20       | 763      | <20      | 0.36 |
| W933340            |                          | 0.20     | <10      | 4.37     | 1400     | 1        | 2.26     | 103      | 440      | <2       | 0.15     | 6        | 44       | 127      | <20      | 0.66 |
| W933341            |                          | 2.86     | 30       | 3.60     | 899      | 10       | 3.19     | 83       | 1260     | 40       | 0.22     | <5       | 18       | 716      | <20      | 0.30 |
| W933342            |                          | 2.86     | 40       | 1.98     | 689      | <1       | 4.23     | 34       | 1310     | 18       | 0.45     | 5        | 11       | 947      | <20      | 0.28 |
| W933343            |                          | 0.55     | <10      | 15.45    | 988      | 1        | 0.03     | 1320     | 70       | 5        | 0.07     | <5       | 18       | 181      | <20      | 0.07 |
| W933344            |                          | 1.14     | 50       | 1.51     | 541      | 8        | 5.91     | 27       | 1040     | 173      | 0.21     | <5       | 8        | 968      | 20       | 0.19 |
| W933345            |                          | 1.30     | 60       | 1.60     | 594      | <1       | 5.61     | 25       | 1160     | 35       | 0.30     | 5        | 9        | 880      | 20       | 0.22 |
| W933346            |                          | 2.11     | 10       | 13.30    | 770      | <1       | 0.90     | 1090     | 60       | 4        | 0.03     | <5       | 12       | 142      | <20      | 0.11 |
| W933347            |                          | 2.22     | <10      | 9.38     | 1570     | <1       | 0.34     | 1060     | 270      | 10       | 0.12     | 6        | 20       | 212      | <20      | 0.16 |
| W933348            |                          | 1.96     | 50       | 1.73     | 801      | 1        | 4.53     | 33       | 1790     | 41       | 0.99     | <5       | 10       | 928      | <20      | 0.19 |
| W933349            |                          | 2.21     | 40       | 1.27     | 816      | 180      | 3.52     | 28       | 1040     | 80       | 1.10     | <5       | 9        | 590      | <20      | 0.20 |
| W933350            |                          | 0.07     | 10       | 0.03     | 39       | 1        | 0.03     | 2        | 50       | <2       | 0.01     | <5       | 1        | 25       | <20      | 0.03 |
| W933351            |                          | 2.05     | 30       | 0.98     | 538      | 1        | 4.85     | 13       | 1210     | 30       | 0.24     | <5       | 6        | 561      | <20      | 0.12 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19309102**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W933314            |                                   | <10      | <10      | 90       | <10      | 66       |
| W933315            |                                   | <10      | <10      | 86       | <10      | 47       |
| W933316            |                                   | <10      | <10      | 69       | <10      | 36       |
| W933317            |                                   | <10      | <10      | 73       | <10      | 49       |
| W933318            |                                   | <10      | <10      | 85       | <10      | 51       |
| W933319            |                                   | <10      | <10      | 132      | <10      | 54       |
| W933320            |                                   | <10      | <10      | 310      | <10      | 86       |
| W933321            |                                   | <10      | <10      | 72       | <10      | 34       |
| W933322            |                                   | <10      | <10      | 83       | <10      | 41       |
| W933323            |                                   | <10      | <10      | 102      | <10      | 69       |
| W933324            |                                   | <10      | <10      | 92       | <10      | 68       |
| W933325            |                                   | <10      | <10      | 117      | <10      | 134      |
| W933326            |                                   | <10      | <10      | 75       | <10      | 54       |
| W933327            |                                   | <10      | <10      | 113      | <10      | 86       |
| W933328            |                                   | <10      | <10      | 102      | <10      | 86       |
| W933329            |                                   | <10      | <10      | 76       | <10      | 47       |
| W933330            |                                   | <10      | <10      | 4        | <10      | 3        |
| W933331            |                                   | <10      | <10      | 125      | <10      | 57       |
| W933332            |                                   | <10      | <10      | 98       | <10      | 67       |
| W933333            |                                   | <10      | <10      | 108      | <10      | 89       |
| W933334            |                                   | <10      | <10      | 102      | <10      | 87       |
| W933335            |                                   | <10      | <10      | 119      | <10      | 95       |
| W933336            |                                   | <10      | <10      | 113      | <10      | 92       |
| W933337            |                                   | <10      | <10      | 78       | <10      | 68       |
| W933338            |                                   | <10      | <10      | 109      | <10      | 85       |
| W933339            |                                   | <10      | <10      | 163      | <10      | 96       |
| W933340            |                                   | <10      | <10      | 305      | <10      | 88       |
| W933341            |                                   | <10      | <10      | 142      | <10      | 86       |
| W933342            |                                   | <10      | <10      | 101      | <10      | 67       |
| W933343            |                                   | <10      | <10      | 107      | <10      | 51       |
| W933344            |                                   | <10      | <10      | 72       | <10      | 37       |
| W933345            |                                   | <10      | <10      | 82       | <10      | 51       |
| W933346            |                                   | <10      | <10      | 100      | <10      | 61       |
| W933347            |                                   | <10      | <10      | 124      | <10      | 63       |
| W933348            |                                   | <10      | <10      | 93       | <10      | 62       |
| W933349            |                                   | <10      | <10      | 88       | <10      | 48       |
| W933350            |                                   | <10      | <10      | 5        | <10      | 3        |
| W933351            |                                   | <10      | <10      | 61       | <10      | 33       |



ALS Canada Ltd.  
2103 Dollarton Hwy  
North Vancouver BC V7H 0A7  
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19309102**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
Au-AA26 ME-ICP61

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.  
CRU-31 CRU-QC LOG-21 LOG-23  
PUL-31 PUL-QC SPL-21 WEI-21



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 North Vancouver BC V7H 0A7  
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**QC CERTIFICATE TM19309102**

Project: Golden Perimeter  
 P.O. No.: GP-280A-22  
 This report is for 78 Drill Core samples submitted to our lab in Timmins, ON, Canada on 5-DEC-2019.  
 The following have access to data associated with this certificate:

|                              |              |              |
|------------------------------|--------------|--------------|
| IAN DUNLOP<br>CONOR MCKINLEY | DARWIN GREEN | NEAL MAGUIRE |
|------------------------------|--------------|--------------|

| SAMPLE PREPARATION |                                 |
|--------------------|---------------------------------|
| ALS CODE           | DESCRIPTION                     |
| WEI-21             | Received Sample Weight          |
| LOG-21             | Sample logging - ClientBarCode  |
| CRU-QC             | Crushing QC Test                |
| PUL-QC             | Pulverizing QC Test             |
| CRU-31             | Fine crushing - 70% <2mm        |
| SPL-21             | Split sample - riffle splitter  |
| PUL-31             | Pulverize up to 250g 85% <75 um |
| LOG-23             | Pulp Login - Rcvd with Barcode  |

| ANALYTICAL PROCEDURES |                               |            |
|-----------------------|-------------------------------|------------|
| ALS CODE              | DESCRIPTION                   | INSTRUMENT |
| ME-ICP61              | 33 element four acid ICP-AES  | ICP-AES    |
| Au-AA26               | Ore Grade Au 50g FA AA finish | AAS        |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

**Signature:**   
 Saa Traxler, General Manager, North Vancouver





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19309102**

| Sample Description         | Method Analyte Units LOD | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|----------------------------|--------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                            |                          | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K %  |
|                            |                          | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       | 0.01 |
| <b>STANDARDS</b>           |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| CDN-CM-34                  |                          |         | 3.7      | 6.65     | 108      | 480      | 1.1      | 12       | 2.10     | 0.9      | 40       | 237      | 5820     | 4.73     | 20       | 2.83 |
| Target Range - Lower Bound |                          |         | 2.5      | 5.88     | 90       | 430      | <0.5     | <2       | 1.83     | <0.5     | 37       | 217      | 5370     | 4.26     | <10      | 2.51 |
| Upper Bound                |                          |         | 4.9      | 7.21     | 122      | 610      | 2.1      | 8        | 2.25     | 2.0      | 47       | 267      | 6190     | 5.23     | 40       | 3.09 |
| EMOG-17                    |                          |         | 67.4     | 4.77     | 602      | 130      | 1.9      | 10       | 1.92     | 19.8     | 755      | 56       | 8430     | 4.86     | 10       | 1.68 |
| Target Range - Lower Bound |                          |         | 60.4     | 4.18     | 517      | 930      | 0.7      | <2       | 1.72     | 17.7     | 685      | 49       | 7740     | 4.42     | <10      | 1.49 |
| Upper Bound                |                          |         | 75.0     | 5.13     | 643      | 1290     | 2.9      | 10       | 2.12     | 22.7     | 839      | 62       | 8910     | 5.42     | 30       | 1.85 |
| G91 7-1                    |                          | 45.9    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 45.5    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 51.3    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| KIP-19                     |                          | 2.42    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 2.27    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 2.59    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| MGeo08                     |                          |         | 4.3      | 7.42     | 34       | 1080     | 3.3      | <2       | 2.65     | 2.1      | 19       | 92       | 591      | 3.85     | 20       | 3.08 |
| Target Range - Lower Bound |                          |         | 3.2      | 6.64     | 21       | 920      | 2.2      | <2       | 2.35     | 1.1      | 17       | 81       | 586      | 3.55     | <10      | 2.79 |
| Upper Bound                |                          |         | 5.6      | 8.14     | 45       | 1270     | 4.5      | 5        | 2.90     | 3.4      | 23       | 102      | 676      | 4.37     | 40       | 3.43 |
| OREAS 602                  |                          |         | >100     | 4.34     | 674      | 120      | 0.8      | 58       | 0.65     | 25.1     | 10       | 36       | 4930     | 2.13     | 20       | 0.67 |
| Target Range - Lower Bound |                          |         | >100     | 4.38     | 680      | 110      | 0.8      | 60       | 0.65     | 25.2     | 10       | 38       | 5090     | 2.21     | 20       | 0.69 |
| Upper Bound                |                          |         | 107.5    | 3.92     | 579      | 590      | <0.5     | 49       | 0.55     | 21.7     | 7        | 28       | 4790     | 2.01     | <10      | 0.60 |
| OxP154                     |                          | 15.50   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 14.35   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 16.20   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| PMP-18                     |                          | 0.31    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 0.28    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.34    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19309102**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|----------------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                            |                          | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti %     | Tl ppm |
|                            |                          | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01     | 10     |
| <b>STANDARDS</b>           |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| CDN-CM-34                  |                          | 10       | 3.63     | 444      | 288      | 0.76     | 246      | 1200     | 24       | 3.01     | 5        | 16       | 222      | <20      | 0.51     | <10    |
| Target Range - Lower Bound |                          | <10      | 3.29     | 399      | 269      | 0.66     | 220      | 1110     | 19       | 2.70     | <5       | 14       | 204      | <20      | 0.43     | <10    |
| Upper Bound                |                          | 40       | 4.05     | 499      | 331      | 0.83     | 271      | 1370     | 29       | 3.32     | 17       | 19       | 251      | 40       | 0.55     | 20     |
| EMOG-17                    |                          | 20       | 0.95     | 731      | 1065     | 1.12     | 7600     | 810      | 7200     | 3.24     | 781      | 8        | 207      | <20      | 0.33     | <10    |
| Target Range - Lower Bound |                          | <10      | 0.86     | 670      | 996      | 0.99     | 6820     | 700      | 6570     | 2.91     | 638      | 6        | 184      | <20      | 0.28     | <10    |
| Upper Bound                |                          | 40       | 1.08     | 830      | 1220     | 1.23     | 8330     | 880      | 8030     | 3.57     | 874      | 10       | 227      | 50       | 0.36     | 20     |
| G917-1                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| KIP-19                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| MGeo08                     |                          | 30       | 1.31     | 544      | 14       | 1.96     | 687      | 1040     | 1085     | 0.30     | <5       | 11       | 300      | 20       | 0.48     | <10    |
| Target Range - Lower Bound |                          | <10      | 1.17     | 497      | 12       | 1.76     | 621      | 930      | 969      | 0.27     | <5       | 10       | 276      | <20      | 0.44     | <10    |
| Upper Bound                |                          | 60       | 1.45     | 619      | 18       | 2.18     | 761      | 1160     | 1190     | 0.35     | 15       | 15       | 340      | 60       | 0.56     | 20     |
| OREAS 602                  |                          | 10       | 0.21     | 228      | 4        | 0.44     | 60       | 570      | 1045     | 2.08     | 83       | 4        | 458      | <20      | 0.21     | <10    |
| Target Range - Lower Bound |                          | <10      | 0.17     | 198      | 2        | 0.40     | 53       | 500      | 918      | 1.90     | 61       | 2        | 417      | <20      | 0.18     | <10    |
| Upper Bound                |                          | 40       | 0.23     | 253      | 7        | 0.51     | 67       | 640      | 1125     | 2.34     | 97       | 6        | 511      | 50       | 0.24     | 20     |
| OxP154                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| PMP-18                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19309102**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 U ppm | ME-ICP61 V ppm | ME-ICP61 W ppm | ME-ICP61 Zn ppm |
|----------------------------|--------------------------|----------------|----------------|----------------|-----------------|
| <b>STANDARDS</b>           |                          |                |                |                |                 |
| CDN-CM-34                  |                          | <10            | 166            | 20             | 189             |
| Target Range - Lower Bound |                          | <10            | 149            | <10            | 176             |
| Upper Bound                |                          | 20             | 184            | 50             | 219             |
| EMOG-17                    |                          | <10            | 75             | <10            | 7470            |
| Target Range - Lower Bound |                          | <10            | 67             | <10            | 6800            |
| Upper Bound                |                          | 20             | 84             | 20             | 8320            |
| G917-1                     |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| KIP-19                     |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| MGeo08                     |                          | <10            | 110            | <10            | 788             |
| Target Range - Lower Bound |                          | <10            | 105            | <10            | 779             |
| Upper Bound                |                          | <10            | 97             | <10            | 722             |
| OREAS 602                  |                          | 30             | 121            | 30             | 886             |
| Target Range - Lower Bound |                          | <10            | 33             | 10             | 4110            |
| Upper Bound                |                          | <10            | 34             | 10             | 4140            |
| OREAS 602                  |                          | <10            | 29             | <10            | 3770            |
| Target Range - Lower Bound |                          | 20             | 37             | 30             | 4610            |
| Upper Bound                |                          |                |                |                |                 |
| OxP154                     |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| PMP-18                     |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM19309102**

| Method Analyte Units LOD   | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |  |
|----------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| Sample Description         | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K %      |  |
|                            | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       | 0.01     |  |
| <b>BLANKS</b>              |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| BLANK                      | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| BLANK                      | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| BLANK                      | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| BLANK                      |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | 1        | <1       | 1        | <0.01    | <10      | <0.01    |  |
| BLANK                      |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | <1       | <0.01    | <10      | <0.01    |  |
| BLANK                      |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | 1        | <0.01    | <10      | <0.01    |  |
| Target Range - Lower Bound |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | <1       | <0.01    | <10      | <0.01    |  |
| Upper Bound                |         | 1.0      | 0.02     | 10       | 20       | 1.0      | 4        | 0.02     | 1.0      | 2        | 2        | 2        | 0.02     | 20       | 0.02     |  |
| <b>DUPLICATES</b>          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| W933790                    | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| DUP                        | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| W934510                    | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| DUP                        | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| W934530                    | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| DUP                        | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| W934542                    |         | <0.5     | 3.17     | 6        | 170      | 1.0      | 5        | 6.89     | <0.5     | 93       | 1590     | 49       | 6.78     | 10       | 2.26     |  |
| DUP                        |         | <0.5     | 3.22     | 6        | 170      | 1.0      | 2        | 7.12     | <0.5     | 95       | 1560     | 49       | 6.89     | 10       | 2.30     |  |
| Target Range - Lower Bound |         | <0.5     | 3.03     | <5       | 150      | <0.5     | <2       | 6.64     | <0.5     | 88       | 1495     | 46       | 6.48     | <10      | 2.16     |  |
| Upper Bound                |         | 1.0      | 3.36     | 10       | 190      | 1.6      | 4        | 7.37     | 1.0      | 100      | 1655     | 52       | 7.19     | 20       | 2.40     |  |
| W933295                    | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| DUP                        | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM19309102**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 La ppm | ME-ICP61 Mg % | ME-ICP61 Mn ppm | ME-ICP61 Mo ppm | ME-ICP61 Na % | ME-ICP61 Ni ppm | ME-ICP61 P ppm | ME-ICP61 Pb ppm | ME-ICP61 S % | ME-ICP61 Sb ppm | ME-ICP61 Sc ppm | ME-ICP61 Sr ppm | ME-ICP61 Th ppm | ME-ICP61 Ti % | ME-ICP61 Tl ppm |
|----------------------------|--------------------------|-----------------|---------------|-----------------|-----------------|---------------|-----------------|----------------|-----------------|--------------|-----------------|-----------------|-----------------|-----------------|---------------|-----------------|
|                            |                          | 10              | 0.01          | 5               | 1               | 0.01          | 1               | 10             | 2               | 0.01         | 5               | 1               | 1               | 20              | 0.01          | 10              |
| <b>BLANKS</b>              |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| BLANK                      |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| BLANK                      |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| BLANK                      |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Target Range - Lower Bound |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Upper Bound                |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| BLANK                      |                          | <10             | <0.01         | <5              | <1              | <0.01         | <1              | <10            | <2              | <0.01        | <5              | <1              | <1              | <20             | <0.01         | <10             |
| BLANK                      |                          | <10             | <0.01         | <5              | <1              | <0.01         | 1               | <10            | <2              | <0.01        | <5              | <1              | <1              | <20             | <0.01         | <10             |
| BLANK                      |                          | <10             | <0.01         | <5              | <1              | <0.01         | 2               | <10            | 2               | <0.01        | <5              | <1              | <1              | <20             | <0.01         | <10             |
| Target Range - Lower Bound |                          | <10             | <0.01         | <5              | <1              | <0.01         | <1              | <10            | <2              | <0.01        | <5              | <1              | <1              | <20             | <0.01         | <10             |
| Upper Bound                |                          | 20              | 0.02          | 10              | 2               | 0.02          | 2               | 20             | 4               | 0.02         | 10              | 2               | 2               | 40              | 0.02          | 20              |
| <b>DUPLICATES</b>          |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| W933790                    |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| DUP                        |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Target Range - Lower Bound |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Upper Bound                |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| W934510                    |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| DUP                        |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Target Range - Lower Bound |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Upper Bound                |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| W934530                    |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| DUP                        |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Target Range - Lower Bound |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Upper Bound                |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| W934542                    |                          | <10             | 10.65         | 1605            | 5               | 0.80          | 1315            | 100            | 9               | 0.59         | <5              | 22              | 153             | <20             | 0.17          | <10             |
| DUP                        |                          | <10             | 10.75         | 1630            | 5               | 0.82          | 1335            | 100            | 9               | 0.61         | <5              | 22              | 156             | <20             | 0.17          | <10             |
| Target Range - Lower Bound |                          | <10             | 10.15         | 1530            | 4               | 0.76          | 1260            | 90             | 7               | 0.56         | <5              | 20              | 146             | <20             | 0.15          | <10             |
| Upper Bound                |                          | 20              | 11.25         | 1705            | 6               | 0.86          | 1390            | 120            | 11              | 0.64         | 10              | 24              | 163             | 40              | 0.19          | 20              |
| W933295                    |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| DUP                        |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Target Range - Lower Bound |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Upper Bound                |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM19309102**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 U ppm 10 | ME-ICP61 V ppm 1 | ME-ICP61 W ppm 10 | ME-ICP61 Zn ppm 2 |
|----------------------------|--------------------------|-------------------|------------------|-------------------|-------------------|
| <b>BLANKS</b>              |                          |                   |                  |                   |                   |
| BLANK                      |                          |                   |                  |                   |                   |
| BLANK                      |                          |                   |                  |                   |                   |
| BLANK                      |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | 10                | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| Target Range - Lower Bound |                          | <10               | <1               | <10               | <2                |
| Upper Bound                |                          | 20                | 2                | 20                | 4                 |
| <b>DUPLICATES</b>          |                          |                   |                  |                   |                   |
| W933790                    |                          |                   |                  |                   |                   |
| DUP                        |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| W934510                    |                          |                   |                  |                   |                   |
| DUP                        |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| W934530                    |                          |                   |                  |                   |                   |
| DUP                        |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| W934542                    |                          | <10               | 116              | <10               | 68                |
| DUP                        |                          | <10               | 118              | <10               | 70                |
| Target Range - Lower Bound |                          | <10               | 110              | <10               | 64                |
| Upper Bound                |                          | 20                | 124              | 20                | 74                |
| W933295                    |                          |                   |                  |                   |                   |
| DUP                        |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |



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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19309102**

| Sample Description         | Method<br>Analyte<br>Units<br>LOD | Au-AA26   | ME-ICP61  | ME-ICP61 | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61 | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61 | ME-ICP61  |        |
|----------------------------|-----------------------------------|-----------|-----------|----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|----------|-----------|--------|
|                            |                                   | Au<br>ppm | Ag<br>ppm | Al<br>%  | As<br>ppm | Ba<br>ppm | Be<br>ppm | Bi<br>ppm | Ca<br>%  | Cd<br>ppm | Co<br>ppm | Cr<br>ppm | Cu<br>ppm | Fe<br>%  | Ga<br>ppm | K<br>% |
|                            |                                   | 0.01      | 0.5       | 0.01     | 5         | 10        |           |           |          |           |           |           |           |          |           |        |
| <b>DUPLICATES</b>          |                                   |           |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| W933305                    |                                   |           | <0.5      | 7.16     | <5        | 2320      | 3.3       | <2        | 3.00     | <0.5      | 13        | 49        | 110       | 3.67     | 20        | 2.85   |
| DUP                        |                                   |           | <0.5      | 7.12     | <5        | 2320      | 3.3       | 2         | 2.98     | <0.5      | 14        | 52        | 109       | 3.66     | 20        | 2.86   |
| Target Range - Lower Bound |                                   |           | <0.5      | 6.77     | <5        | 2140      | 2.6       | <2        | 2.83     | <0.5      | 12        | 47        | 105       | 3.47     | <10       | 2.70   |
| Upper Bound                |                                   |           | 1.0       | 7.51     | 10        | 2500      | 4.0       | 4         | 3.15     | 1.0       | 15        | 54        | 114       | 3.86     | 30        | 3.01   |
| W933315                    |                                   | 0.01      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| DUP                        |                                   | 0.01      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Target Range - Lower Bound |                                   | <0.01     |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Upper Bound                |                                   | 0.02      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| W933335                    |                                   | 0.01      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| DUP                        |                                   | <0.01     |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Target Range - Lower Bound |                                   | <0.01     |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Upper Bound                |                                   | 0.02      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| W933341                    |                                   |           | <0.5      | 7.01     | <5        | 1700      | 2.2       | <2        | 3.63     | <0.5      | 26        | 251       | 58        | 4.51     | 20        | 2.86   |
| DUP                        |                                   |           | <0.5      | 6.79     | <5        | 1650      | 2.1       | <2        | 3.50     | <0.5      | 25        | 243       | 56        | 4.38     | 20        | 2.77   |
| Target Range - Lower Bound |                                   |           | <0.5      | 6.55     | <5        | 1540      | 1.5       | <2        | 3.38     | <0.5      | 23        | 234       | 54        | 4.21     | <10       | 2.66   |
| Upper Bound                |                                   |           | 1.0       | 7.26     | 10        | 1810      | 2.8       | 4         | 3.75     | 1.0       | 28        | 260       | 60        | 4.68     | 30        | 2.97   |
| ORIGINAL                   |                                   | 0.06      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| DUP                        |                                   | 0.09      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Target Range - Lower Bound |                                   | 0.06      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Upper Bound                |                                   | 0.09      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |



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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19309102**

| Sample Description         | Method | Analyte | Units | LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |     |      |     |
|----------------------------|--------|---------|-------|-----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|------|-----|
|                            |        |         |       |     | La       | Mg       | Mn       | Mo       | Na       | Ni       | P        | Pb       | S        | Sb       | Sc       | Sr       | Th  | Ti   | Tl  |
|                            |        |         |       |     | ppm      | %        | ppm      | ppm      | %        | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm | %    | ppm |
|                            |        |         |       |     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20  | 0.01 | 10  |
| <b>DUPLICATES</b>          |        |         |       |     |          |          |          |          |          |          |          |          |          |          |          |          |     |      |     |
| W933305                    |        |         |       |     | 60       | 1.74     | 861      | 21       | 3.54     | 26       | 1920     | 49       | 0.42     | <5       | 12       | 810      | <20 | 0.25 | <10 |
| DUP                        |        |         |       |     | 50       | 1.75     | 865      | 20       | 3.54     | 30       | 1900     | 50       | 0.42     | <5       | 12       | 809      | <20 | 0.25 | <10 |
| Target Range - Lower Bound |        |         |       |     | 40       | 1.65     | 815      | 18       | 3.35     | 26       | 1800     | 45       | 0.39     | <5       | 10       | 768      | <20 | 0.23 | <10 |
| Upper Bound                |        |         |       |     | 70       | 1.84     | 911      | 23       | 3.73     | 30       | 2020     | 54       | 0.45     | 10       | 14       | 851      | 40  | 0.27 | 20  |
| W933315                    |        |         |       |     |          |          |          |          |          |          |          |          |          |          |          |          |     |      |     |
| DUP                        |        |         |       |     |          |          |          |          |          |          |          |          |          |          |          |          |     |      |     |
| Target Range - Lower Bound |        |         |       |     |          |          |          |          |          |          |          |          |          |          |          |          |     |      |     |
| Upper Bound                |        |         |       |     |          |          |          |          |          |          |          |          |          |          |          |          |     |      |     |
| W933335                    |        |         |       |     |          |          |          |          |          |          |          |          |          |          |          |          |     |      |     |
| DUP                        |        |         |       |     |          |          |          |          |          |          |          |          |          |          |          |          |     |      |     |
| Target Range - Lower Bound |        |         |       |     |          |          |          |          |          |          |          |          |          |          |          |          |     |      |     |
| Upper Bound                |        |         |       |     |          |          |          |          |          |          |          |          |          |          |          |          |     |      |     |
| W933341                    |        |         |       |     | 30       | 3.60     | 899      | 10       | 3.19     | 83       | 1260     | 40       | 0.22     | <5       | 18       | 716      | <20 | 0.30 | <10 |
| DUP                        |        |         |       |     | 30       | 3.53     | 866      | 9        | 3.12     | 83       | 1210     | 41       | 0.22     | <5       | 17       | 702      | <20 | 0.29 | <10 |
| Target Range - Lower Bound |        |         |       |     | 20       | 3.38     | 833      | 8        | 2.99     | 78       | 1160     | 36       | 0.20     | <5       | 16       | 673      | <20 | 0.27 | <10 |
| Upper Bound                |        |         |       |     | 40       | 3.75     | 932      | 11       | 3.32     | 88       | 1310     | 45       | 0.24     | 10       | 19       | 745      | 40  | 0.32 | 20  |
| ORIGINAL                   |        |         |       |     |          |          |          |          |          |          |          |          |          |          |          |          |     |      |     |
| DUP                        |        |         |       |     |          |          |          |          |          |          |          |          |          |          |          |          |     |      |     |
| Target Range - Lower Bound |        |         |       |     |          |          |          |          |          |          |          |          |          |          |          |          |     |      |     |
| Upper Bound                |        |         |       |     |          |          |          |          |          |          |          |          |          |          |          |          |     |      |     |

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ALS Canada Ltd.  
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|                                              |
|----------------------------------------------|
| <b>QC CERTIFICATE OF ANALYSIS TM19309102</b> |
|----------------------------------------------|

| Sample Description         | Method Analyte Units LOD | ME-ICP61 U ppm | ME-ICP61 V ppm | ME-ICP61 W ppm | ME-ICP61 Zn ppm |
|----------------------------|--------------------------|----------------|----------------|----------------|-----------------|
|                            |                          | 10             | 1              | 10             | 2               |
| <b>DUPLICATES</b>          |                          |                |                |                |                 |
| W933305                    |                          | <10            | 109            | <10            | 84              |
| DUP                        |                          | <10            | 108            | <10            | 83              |
| Target Range - Lower Bound |                          | <10            | 102            | <10            | 77              |
| Upper Bound                |                          | 20             | 115            | 20             | 90              |
| W933315                    |                          |                |                |                |                 |
| DUP                        |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| W933335                    |                          |                |                |                |                 |
| DUP                        |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| W933341                    |                          | <10            | 142            | <10            | 86              |
| DUP                        |                          | <10            | 138            | <10            | 84              |
| Target Range - Lower Bound |                          | <10            | 132            | <10            | 79              |
| Upper Bound                |                          | 20             | 148            | 20             | 91              |
| ORIGINAL                   |                          |                |                |                |                 |
| DUP                        |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |



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**QC CERTIFICATE OF ANALYSIS TM19309102**

### CERTIFICATE COMMENTS

#### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
Au-AA26 ME-ICP61

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.  
CRU-31 CRU-QC LOG-23  
PUL-31 PUL-QC SPL-21 WEI-21



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**CERTIFICATE TM19313294**

Project: Golden Perimeter

This report is for 10 Drill Core samples submitted to our lab in Timmins, ON, Canada on 10-DEC-2019.

The following have access to data associated with this certificate:

|                              |              |              |
|------------------------------|--------------|--------------|
| IAN DUNLOP<br>CONOR MCKINLEY | DARWIN GREEN | NEAL MAGUIRE |
|------------------------------|--------------|--------------|

| SAMPLE PREPARATION |                               |
|--------------------|-------------------------------|
| ALS CODE           | DESCRIPTION                   |
| FND-02             | Find Sample for Addn Analysis |

| ANALYTICAL PROCEDURES |                                 |            |
|-----------------------|---------------------------------|------------|
| ALS CODE              | DESCRIPTION                     | INSTRUMENT |
| ME-XRF26              | Whole Rock By Fusion/XRF        | XRF        |
| OA-GRA05x             | LOI for XRF                     | WST-SEQ    |
| ME-MS42               | Up to 34 elements by ICP-MS     | ICP-MS     |
| S-IR08                | Total Sulphur (IR Spectroscopy) | LECO       |
| C-IR07                | Total Carbon (IR Spectroscopy)  | LECO       |
| ME-MS81               | Lithium Borate Fusion ICP-MS    | ICP-MS     |
| ME-4ACD81             | Base Metals by 4-acid dig.      | ICP-AES    |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

**Signature:**   
 Saa Traxler, General Manager, North Vancouver



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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19313294**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-XRF26   | ME-XRF26 | ME-XRF26 | ME-XRF26   | ME-XRF26   | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26  | ME-XRF26  | ME-XRF26  | ME-XRF26 | ME-XRF26  | ME-XRF26                   | ME-XRF26   |
|--------------------|-----------------------------------|------------|----------|----------|------------|------------|----------|----------|----------|-----------|-----------|-----------|----------|-----------|----------------------------|------------|
|                    |                                   | Al2O3<br>% | BaO<br>% | CaO<br>% | Cr2O3<br>% | Fe2O3<br>% | K2O<br>% | MgO<br>% | MnO<br>% | Na2O<br>% | P2O5<br>% | SiO2<br>% | SrO<br>% | TiO2<br>% | OA-GRA05x<br>LOI 1000<br>% | Total<br>% |
| W933279            |                                   | 15.89      | 0.41     | 3.48     | 0.01       | 4.39       | 3.15     | 2.52     | 0.08     | 5.12      | 0.27      | 62.67     | 0.18     | 0.39      | 1.03                       | 99.82      |
| W933296            |                                   | 14.88      | 0.20     | 5.44     | 0.01       | 6.64       | 2.45     | 5.15     | 0.11     | 4.99      | 0.37      | 54.87     | 0.15     | 0.64      | 3.30                       | 99.90      |
| W933312            |                                   | 4.84       | 0.03     | 9.18     | 0.24       | 7.39       | 1.02     | 18.40    | 0.19     | 0.08      | 0.01      | 33.00     | 0.03     | 0.22      | 25.37                      | 100.60     |
| W933317            |                                   | 15.17      | 0.24     | 3.14     | 0.01       | 3.73       | 4.05     | 2.11     | 0.08     | 5.22      | 0.27      | 61.31     | 0.08     | 0.36      | 4.14                       | 100.55     |
| W933327            |                                   | 14.85      | 0.21     | 4.67     | 0.01       | 6.04       | 2.49     | 4.34     | 0.09     | 5.41      | 0.34      | 57.71     | 0.13     | 0.57      | 2.52                       | 100.20     |
| W933328            |                                   | 15.70      | 0.24     | 3.41     | 0.01       | 4.91       | 4.40     | 2.71     | 0.10     | 5.14      | 0.36      | 59.57     | 0.12     | 0.43      | 2.24                       | 99.67      |
| W933331            |                                   | 5.88       | 0.03     | 5.48     | 0.32       | 9.84       | 1.30     | 22.6     | 0.15     | 0.06      | 0.03      | 37.37     | 0.02     | 0.29      | 15.26                      | 99.06      |
| W933335            |                                   | 15.59      | 0.18     | 5.58     | 0.01       | 6.48       | 3.12     | 4.41     | 0.10     | 5.10      | 0.37      | 53.19     | 0.10     | 0.66      | 4.84                       | 100.35     |
| W933339            |                                   | 13.85      | 0.19     | 5.68     | 0.05       | 7.37       | 3.30     | 6.86     | 0.14     | 4.48      | 0.35      | 54.74     | 0.09     | 0.62      | 2.01                       | 99.92      |
| W933343            |                                   | 5.42       | 0.04     | 5.24     | 0.31       | 9.43       | 0.66     | 24.8     | 0.13     | 0.07      | 0.02      | 41.08     | 0.02     | 0.27      | 12.66                      | 100.55     |

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 2103 Dollarton Hwy  
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**CERTIFICATE OF ANALYSIS TM19313294**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81          | ME-MS81          | ME-MS81         | ME-MS81           | ME-MS81           | ME-MS81           | ME-MS81           | ME-MS81          | ME-MS81           | ME-MS81        | ME-MS81          | ME-MS81           | ME-MS81          | ME-MS81           |                  |
|--------------------|-----------------------------------|------------------|------------------|-----------------|-------------------|-------------------|-------------------|-------------------|------------------|-------------------|----------------|------------------|-------------------|------------------|-------------------|------------------|
|                    |                                   | Ba<br>ppm<br>0.5 | Ce<br>ppm<br>0.1 | Cr<br>ppm<br>10 | Cs<br>ppm<br>0.01 | Dy<br>ppm<br>0.05 | Er<br>ppm<br>0.03 | Eu<br>ppm<br>0.03 | Ga<br>ppm<br>0.1 | Gd<br>ppm<br>0.05 | Ge<br>ppm<br>5 | Hf<br>ppm<br>0.2 | Ho<br>ppm<br>0.01 | La<br>ppm<br>0.1 | Lu<br>ppm<br>0.01 | Nb<br>ppm<br>0.2 |
| W933279            |                                   | 3970             | 117.5            | 40              | 0.47              | 2.62              | 1.23              | 1.96              | 21.7             | 5.10              | <5             | 3.7              | 0.50              | 59.8             | 0.16              | 5.3              |
| W933296            |                                   | 1955             | 143.5            | 110             | 2.34              | 3.80              | 1.82              | 2.59              | 23.6             | 6.17              | <5             | 4.4              | 0.59              | 69.7             | 0.23              | 5.7              |
| W933312            |                                   | 105.0            | 5.0              | 1670            | 1.37              | 0.87              | 0.58              | 0.27              | 9.6              | 0.88              | <5             | 0.6              | 0.21              | 3.1              | 0.04              | 0.8              |
| W933317            |                                   | 2150             | 88.0             | 40              | 0.74              | 2.90              | 1.34              | 1.72              | 21.7             | 5.05              | <5             | 5.0              | 0.49              | 45.4             | 0.16              | 5.7              |
| W933327            |                                   | 2000             | 128.5            | 80              | 2.18              | 3.53              | 1.61              | 2.31              | 22.8             | 6.32              | <5             | 4.4              | 0.56              | 63.5             | 0.18              | 5.0              |
| W933328            |                                   | 2240             | 126.0            | 60              | 2.79              | 4.33              | 1.91              | 2.51              | 22.0             | 7.93              | <5             | 6.0              | 0.71              | 61.8             | 0.24              | 7.8              |
| W933331            |                                   | 177.0            | 1.7              | 2250            | 3.43              | 1.20              | 0.82              | 0.18              | 7.2              | 0.82              | <5             | 0.3              | 0.24              | 0.6              | 0.09              | 0.3              |
| W933335            |                                   | 1600             | 141.5            | 60              | 3.81              | 3.45              | 1.77              | 2.36              | 24.0             | 6.36              | <5             | 4.4              | 0.66              | 70.3             | 0.20              | 5.5              |
| W933339            |                                   | 1650             | 91.0             | 380             | 3.62              | 3.39              | 1.66              | 2.09              | 21.3             | 5.73              | <5             | 2.9              | 0.65              | 41.2             | 0.17              | 6.0              |
| W933343            |                                   | 215              | 1.6              | 2210            | 2.68              | 1.12              | 0.73              | 0.20              | 7.2              | 0.74              | <5             | 0.3              | 0.23              | 0.6              | 0.05              | 0.4              |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19313294**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81          | ME-MS81           | ME-MS81          | ME-MS81           | ME-MS81        | ME-MS81          | ME-MS81          | ME-MS81           | ME-MS81           | ME-MS81           | ME-MS81          | ME-MS81       | ME-MS81       | ME-MS81         |                   |
|--------------------|-----------------------------------|------------------|-------------------|------------------|-------------------|----------------|------------------|------------------|-------------------|-------------------|-------------------|------------------|---------------|---------------|-----------------|-------------------|
|                    |                                   | Nd<br>ppm<br>0.1 | Pr<br>ppm<br>0.03 | Rb<br>ppm<br>0.2 | Sm<br>ppm<br>0.03 | Sn<br>ppm<br>1 | Sr<br>ppm<br>0.1 | Ta<br>ppm<br>0.1 | Tb<br>ppm<br>0.01 | Th<br>ppm<br>0.05 | Tm<br>ppm<br>0.01 | U<br>ppm<br>0.05 | V<br>ppm<br>5 | W<br>ppm<br>1 | Y<br>ppm<br>0.1 | Yb<br>ppm<br>0.03 |
| W933279            |                                   | 52.7             | 13.85             | 58.4             | 8.59              | 1              | 1640             | 0.8              | 0.50              | 10.55             | 0.16              | 2.05             | 84            | 1             | 13.6            | 1.04              |
| W933296            |                                   | 68.6             | 17.70             | 65.0             | 10.25             | 1              | 1445             | 0.8              | 0.71              | 9.81              | 0.20              | 11.35            | 137           | 1             | 17.6            | 1.43              |
| W933312            |                                   | 2.8              | 0.57              | 43.0             | 0.54              | <1             | 223              | 0.2              | 0.15              | 1.15              | 0.05              | 1.28             | 115           | 3             | 5.3             | 0.51              |
| W933317            |                                   | 41.0             | 10.55             | 81.7             | 7.40              | 1              | 737              | 0.5              | 0.57              | 11.15             | 0.15              | 3.01             | 80            | 3             | 13.7            | 1.13              |
| W933327            |                                   | 61.9             | 15.55             | 59.5             | 9.40              | 1              | 1240             | 0.6              | 0.67              | 10.45             | 0.19              | 4.21             | 117           | 1             | 16.8            | 1.35              |
| W933328            |                                   | 59.9             | 15.10             | 104.5            | 10.90             | 2              | 1185             | 0.6              | 0.90              | 11.95             | 0.25              | 3.78             | 107           | 1             | 21.1            | 1.73              |
| W933331            |                                   | 1.5              | 0.24              | 51.6             | 0.54              | <1             | 125.0            | 0.4              | 0.15              | 0.08              | 0.09              | 0.07             | 110           | 1             | 6.4             | 0.62              |
| W933335            |                                   | 64.2             | 16.80             | 98.8             | 10.00             | 1              | 958              | 1.0              | 0.73              | 10.35             | 0.19              | 3.04             | 135           | 3             | 17.7            | 1.66              |
| W933339            |                                   | 47.7             | 11.60             | 102.5            | 8.18              | 1              | 789              | 0.6              | 0.64              | 6.42              | 0.21              | 3.53             | 177           | 1             | 17.7            | 1.51              |
| W933343            |                                   | 1.4              | 0.25              | 27.7             | 0.42              | <1             | 175.0            | 0.4              | 0.15              | 0.05              | 0.07              | 0.06             | 102           | 1             | 6.4             | 0.63              |



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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19313294**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81        | ME-4ACD81        | ME-4ACD81        | ME-4ACD81      | ME-4ACD81      | ME-4ACD81       | ME-4ACD81      | ME-4ACD81      | ME-4ACD81      | ME-4ACD81      | ME-4ACD81      | ME-MS42          | ME-MS42           | ME-MS42            | ME-MS42            |
|--------------------|-----------------------------------|----------------|------------------|------------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|------------------|-------------------|--------------------|--------------------|
|                    |                                   | Zr<br>ppm<br>2 | Ag<br>ppm<br>0.5 | Cd<br>ppm<br>0.5 | Co<br>ppm<br>1 | Cu<br>ppm<br>1 | Li<br>ppm<br>10 | Mo<br>ppm<br>1 | Ni<br>ppm<br>1 | Pb<br>ppm<br>2 | Sc<br>ppm<br>1 | Zn<br>ppm<br>2 | As<br>ppm<br>0.1 | Bi<br>ppm<br>0.01 | Hg<br>ppm<br>0.005 | In<br>ppm<br>0.005 |
| W933279            |                                   | 145            | <0.5             | <0.5             | 12             | 19             | 10              | <1             | 14             | 23             | 9              | 64             | 0.4              | 0.03              | <0.005             | 0.007              |
| W933296            |                                   | 162            | <0.5             | <0.5             | 26             | 98             | 10              | 1              | 86             | 27             | 14             | 97             | 0.5              | 0.17              | <0.005             | 0.018              |
| W933312            |                                   | 21             | <0.5             | <0.5             | 69             | 26             | 20              | <1             | 1140           | 5              | 14             | 183            | 0.4              | 0.42              | <0.005             | 0.019              |
| W933317            |                                   | 186            | <0.5             | <0.5             | 10             | 40             | 10              | 31             | 18             | 103            | 7              | 48             | 0.3              | 0.77              | <0.005             | 0.021              |
| W933327            |                                   | 164            | <0.5             | <0.5             | 21             | 168            | 10              | <1             | 60             | 21             | 11             | 84             | 0.4              | 0.11              | <0.005             | 0.019              |
| W933328            |                                   | 246            | <0.5             | <0.5             | 12             | 71             | 10              | <1             | 28             | 29             | 9              | 83             | 0.3              | 0.09              | <0.005             | 0.024              |
| W933331            |                                   | 14             | <0.5             | <0.5             | 82             | 26             | 40              | <1             | 1035           | 2              | 20             | 53             | <0.1             | 0.04              | <0.005             | 0.017              |
| W933335            |                                   | 169            | <0.5             | <0.5             | 23             | 42             | 20              | 1              | 55             | 27             | 12             | 91             | 0.3              | 0.16              | <0.005             | 0.036              |
| W933339            |                                   | 94             | <0.5             | <0.5             | 30             | 16             | 20              | 1              | 87             | 16             | 20             | 92             | 0.3              | 0.13              | <0.005             | 0.010              |
| W933343            |                                   | 13             | <0.5             | <0.5             | 89             | 19             | 30              | <1             | 1270           | <2             | 18             | 48             | 0.1              | 0.07              | <0.005             | 0.018              |



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Project: Golden Perimeter

|                                           |
|-------------------------------------------|
| <b>CERTIFICATE OF ANALYSIS TM19313294</b> |
|-------------------------------------------|

| Sample Description | Method Analyte Units LOD | ME-MS42<br>Re<br>ppm<br>0.001 | ME-MS42<br>Sb<br>ppm<br>0.05 | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02 | S-IR08<br>S<br>%<br>0.01 | C-IR07<br>C<br>%<br>0.01 |
|--------------------|--------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------|--------------------------|
| W933279            |                          | <0.001                        | <0.05                        | 1.8                         | <0.2                        | 0.01                         | 0.03                         | 0.06                     | 0.09                     |
| W933296            |                          | <0.001                        | <0.05                        | 5.8                         | <0.2                        | <0.01                        | 0.40                         | 0.24                     | 0.62                     |
| W933312            |                          | <0.001                        | <0.05                        | 12.6                        | <0.2                        | 0.57                         | 0.16                         | 0.12                     | 6.56                     |
| W933317            |                          | 0.007                         | <0.05                        | 5.3                         | 0.2                         | 0.04                         | 0.07                         | 0.19                     | 1.09                     |
| W933327            |                          | <0.001                        | <0.05                        | 5.8                         | 0.3                         | 0.01                         | 0.36                         | 0.29                     | 0.48                     |
| W933328            |                          | <0.001                        | <0.05                        | 5.5                         | <0.2                        | 0.02                         | 0.42                         | 0.10                     | 0.47                     |
| W933331            |                          | 0.001                         | <0.05                        | 21.1                        | <0.2                        | 0.04                         | 0.47                         | 0.09                     | 3.24                     |
| W933335            |                          | <0.001                        | <0.05                        | 10.2                        | <0.2                        | 0.02                         | 0.58                         | 0.21                     | 0.97                     |
| W933339            |                          | 0.001                         | <0.05                        | 2.5                         | <0.2                        | 0.01                         | 0.52                         | 0.04                     | 0.25                     |
| W933343            |                          | <0.001                        | <0.05                        | 19.7                        | 0.2                         | 0.05                         | 0.25                         | 0.07                     | 2.29                     |
|                    |                          |                               |                              |                             |                             |                              |                              |                          |                          |





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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19313294**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

|                    |                                                                                        |          |           |         |
|--------------------|----------------------------------------------------------------------------------------|----------|-----------|---------|
| Applies to Method: | Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. |          |           |         |
|                    | C-IR07                                                                                 | FND-02   | ME-4ACD81 | ME-MS42 |
|                    | ME-MS81                                                                                | ME-XRF26 | OA-GRA05x | S-IR08  |



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**QC CERTIFICATE TM19313294**

Project: Golden Perimeter

This report is for 10 Drill Core samples submitted to our lab in Timmins, ON, Canada on 10-DEC-2019.

The following have access to data associated with this certificate:

|                |              |              |
|----------------|--------------|--------------|
| IAN DUNLOP     | DARWIN GREEN | NEAL MAGUIRE |
| CONOR MCKINLEY |              |              |

| SAMPLE PREPARATION |                               |
|--------------------|-------------------------------|
| ALS CODE           | DESCRIPTION                   |
| FND-02             | Find Sample for Addn Analysis |

| ANALYTICAL PROCEDURES |                                 |            |
|-----------------------|---------------------------------|------------|
| ALS CODE              | DESCRIPTION                     | INSTRUMENT |
| ME-XRF26              | Whole Rock By Fusion/XRF        | XRF        |
| OA-GRA05x             | LOI for XRF                     | WST-SEQ    |
| ME-MS42               | Up to 34 elements by ICP-MS     | ICP-MS     |
| S-IR08                | Total Sulphur (IR Spectroscopy) | LECO       |
| C-IR07                | Total Carbon (IR Spectroscopy)  | LECO       |
| ME-MS81               | Lithium Borate Fusion ICP-MS    | ICP-MS     |
| ME-4ACD81             | Base Metals by 4-acid dig.      | ICP-AES    |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

**Signature:**   
 Saa Traxler, General Manager, North Vancouver



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 2103 Dollarton Hwy  
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**QC CERTIFICATE OF ANALYSIS TM19313294**

| Method Analyte Units LOD   | ME-XRF26 Al2O3 % | ME-XRF26 BaO % | ME-XRF26 CaO % | ME-XRF26 Cr2O3 % | ME-XRF26 Fe2O3 % | ME-XRF26 K2O % | ME-XRF26 MgO % | ME-XRF26 MnO % | ME-XRF26 Na2O % | ME-XRF26 P2O5 % | ME-XRF26 SiO2 % | ME-XRF26 SrO % | ME-XRF26 TiO2 % | OA-GRA05x LOI 1000 % | ME-XRF26 Total % |
|----------------------------|------------------|----------------|----------------|------------------|------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------------|------------------|
| Sample Description         | 0.01             | 0.01           | 0.01           | 0.01             | 0.01             | 0.01           | 0.01           | 0.01           | 0.01            | 0.01            | 0.01            | 0.01           | 0.01            | 0.01                 | 0.01             |
| <b>STANDARDS</b>           |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| AMIS0304                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| AMIS0461                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 38.38            |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 36.66            |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 40.54            |
| DS-1                       |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| DS-1                       |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| GS313-8                    |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| GS313-8                    |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| MRGeo08                    |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| MRGeo08                    |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 218                  | 13.46            | 0.02           | 10.05          | 0.03             | 12.04            | 0.23           | 7.25           | 0.19           | 2.94            | 0.10            | 48.72           | 0.02           | 1.12            |                      |                  |
| Target Range - Lower Bound | 13.04            | <0.01          | 9.73           | <0.01            | 11.63            | 0.20           | 6.81           | 0.16           | 2.75            | 0.07            | 48.02           | <0.01          | 1.04            | 96.70                |                  |
| Upper Bound                | 13.96            | 0.04           | 10.45          | 0.05             | 12.47            | 0.26           | 7.39           | 0.22           | 3.05            | 0.13            | 50.38           | 0.03           | 1.20            | 0.02                 |                  |
| OREAS 220                  | 13.63            | 0.03           | 9.63           | 0.04             | 11.34            | 0.47           | 6.99           | 0.17           | 2.75            | 0.18            | 49.77           | 0.03           | 1.28            | 96.83                |                  |
| Target Range - Lower Bound | 13.12            | <0.01          | 9.28           | 0.02             | 11.00            | 0.42           | 6.92           | 0.14           | 2.60            | 0.15            | 49.10           | <0.01          | 1.19            | <0.01                |                  |
| Upper Bound                | 14.04            | 0.05           | 10.00          | 0.06             | 11.80            | 0.51           | 7.50           | 0.20           | 2.90            | 0.21            | 51.50           | 0.05           | 1.37            | 0.02                 |                  |
| OREAS 501b                 |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 602                  |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS-101b                 |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313294**

| Sample Description         | Method Analyte Units LOD | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |        |
|----------------------------|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
|                            |                          | Ba ppm  | Ce ppm  | Cr ppm  | Cs ppm  | Dy ppm  | Er ppm  | Eu ppm  | Ga ppm  | Gd ppm  | Ge ppm  | Hf ppm  | Ho ppm  | La ppm  | Lu ppm  | Nb ppm |
| <b>STANDARDS</b>           |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| AMIS0304                   |                          | 2580    | 8760    | 90      | 0.36    | 142.0   | 35.6    | 155.5   | 46.1    | 361     | 6       | 27.9    | 18.60   | 3550    | 1.91    | >2500  |
| Target Range - Lower Bound |                          | 2340    | 7280    | 70      | 0.35    | 119.0   | 30.6    | 135.0   | 47.8    | 309     | <5      | 25.0    | 16.20   | 3250    | 1.84    | 4670   |
| Upper Bound                |                          | 2860    | 8900    | 120     | 0.45    | 145.5   | 37.4    | 165.0   | 58.7    | 377     | 18      | 31.0    | 19.80   | 3970    | 2.27    | >2500  |
| AMIS0461                   |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| DS-1                       |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| DS-1                       |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| GS313-8                    |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| GS313-8                    |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| MRGeo08                    |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| MRGeo08                    |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 218                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 220                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 501b                 |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 602                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS-101b                 |                          | 188.5   | 1435    | 30      | 2.58    | 33.5    | 19.60   | 8.06    | 28.4    | 36.6    | <5      | 11.1    | 6.42    | 822     | 2.47    | 60.1   |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Plus Appendix Pages  
 Finalized Date: 2-JAN-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313294**

| Sample Description         | Method Analyte Units LOD | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |        |
|----------------------------|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
|                            |                          | Nd ppm  | Pr ppm  | Rb ppm  | Sm ppm  | Sn ppm  | Sr ppm  | Ta ppm  | Tb ppm  | Th ppm  | Tm ppm  | U ppm   | V ppm   | W ppm   | Y ppm   | Yb ppm |
|                            |                          | 0.1     | 0.03    | 0.2     | 0.03    | 1       | 0.1     | 0.1     | 0.01    | 0.05    | 0.01    | 0.05    | 5       | 1       | 0.1     | 0.03   |
| <b>STANDARDS</b>           |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| AMIS0304                   |                          | 4300    | >1000   | 11.0    | 589     | 24      | 3620    | 12.8    | 34.6    | 443     | 3.40    | 24.0    | 360     | 6       | 422     | 17.05  |
| Target Range - Lower Bound |                          | 3610    | 925     | 9.3     | 543     | 22      | 3060    | 11.1    | 30.8    | 406     | 3.14    | 21.6    | 331     | 3       | 369     | 15.25  |
| Upper Bound                |                          | 4410    | >1000   | 11.8    | 664     | 29      | 3740    | 13.8    | 37.7    | 496     | 3.86    | 26.5    | 415     | 7       | 451     | 18.75  |
| AMIS0461                   |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| DS-1                       |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| DS-1                       |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| GS313-8                    |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| GS313-8                    |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| MRGeo08                    |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| MRGeo08                    |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 218                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 220                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 501b                 |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 602                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS-101b                 |                          | 408     | 132.5   | 194.0   | 49.9    | 9       | 22.7    | 3.1     | 5.21    | 36.1    | 2.76    | 395     | 80      | 20      | 180.5   | 18.55  |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Finalized Date: 2-JAN-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313294**

| Sample Description         | Method Analyte Units LOD | ME-MS81<br>Zr<br>ppm<br>2 | ME-4ACD81<br>Ag<br>ppm<br>0.5 | ME-4ACD81<br>Cd<br>ppm<br>0.5 | ME-4ACD81<br>Co<br>ppm<br>1 | ME-4ACD81<br>Cu<br>ppm<br>1 | ME-4ACD81<br>Li<br>ppm<br>10 | ME-4ACD81<br>Mo<br>ppm<br>1 | ME-4ACD81<br>Ni<br>ppm<br>1 | ME-4ACD81<br>Pb<br>ppm<br>2 | ME-4ACD81<br>Sc<br>ppm<br>1 | ME-4ACD81<br>Zn<br>ppm<br>2 | ME-MS42<br>As<br>ppm<br>0.1 | ME-MS42<br>Bi<br>ppm<br>0.01 | ME-MS42<br>Hg<br>ppm<br>0.005 | ME-MS42<br>In<br>ppm<br>0.005 |  |
|----------------------------|--------------------------|---------------------------|-------------------------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|--|
| <b>STANDARDS</b>           |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| AMIS0304                   |                          | 1135                      |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          | 1005                      |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Upper Bound                |                          | 1230                      |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| AMIS0461                   |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| DS-1                       |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| DS-1                       |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| GS313-8                    |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| GS313-8                    |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| MGeo08                     |                          | 4.3                       | 2.3                           | 21                            | 618                         | 30                          | 14                           | 698                         | 1085                        | 11                          | 788                         |                             |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          | 3.2                       | 1.1                           | 17                            | 586                         | <10                         | 12                           | 621                         | 969                         | 10                          | 722                         |                             |                             |                              |                               |                               |  |
| Upper Bound                |                          | 5.6                       | 3.4                           | 23                            | 676                         | 50                          | 18                           | 761                         | 1190                        | 15                          | 886                         |                             |                             |                              |                               |                               |  |
| MGeo08                     |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 32.8                        | 0.65                         | 0.054                         | 0.153                         |  |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 29.6                        | 0.58                         | 0.045                         | 0.137                         |  |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 36.4                        | 0.73                         | 0.077                         | 0.179                         |  |
| OREAS 218                  |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| OREAS 220                  |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| OREAS 501b                 |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 19.5                        | 1.41                         | 0.010                         | 0.182                         |  |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 16.9                        | 1.43                         | 0.006                         |                               |  |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 20.9                        | 1.77                         | 0.030                         |                               |  |
| OREAS 602                  |                          | >100                      | 26.7                          | 10                            | 5210                        | 20                          | 4                            | 61                          | 1045                        | 4                           | 4130                        |                             |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          | 107.5                     | 21.7                          | 7                             | 4790                        | <10                         | 2                            | 53                          | 918                         | 2                           | 3770                        |                             |                             |                              |                               |                               |  |
| Upper Bound                |                          | 100.0                     | 27.7                          | 12                            | 5510                        | 40                          | 7                            | 67                          | 1125                        | 6                           | 4610                        |                             |                             |                              |                               |                               |  |
| OREAS-101b                 |                          | 414                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313294**

| Sample Description         | Method Analyte Units LOD | ME-MS42<br>Re<br>ppm<br>0.001 | ME-MS42<br>Sb<br>ppm<br>0.05 | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02 | S-IR08<br>S<br>%<br>0.01 | C-IR07<br>C<br>%<br>0.01 |
|----------------------------|--------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------|--------------------------|
| <b>STANDARDS</b>           |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| AMIS0304                   |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| AMIS0461                   |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| DS-1                       |                          |                               |                              |                             |                             |                              |                              |                          | 3.14                     |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          | 3.01                     |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          | 3.25                     |
| DS-1                       |                          |                               |                              |                             |                             |                              | 2.66                         |                          | 3.13                     |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              | 2.51                         |                          | 3.01                     |
| Upper Bound                |                          |                               |                              |                             |                             |                              | 2.71                         |                          | 3.25                     |
| GS313-8                    |                          |                               |                              |                             |                             |                              |                              |                          | 0.92                     |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          | 0.90                     |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          | 0.98                     |
| GS313-8                    |                          |                               |                              |                             |                             |                              | 1.23                         |                          | 0.93                     |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              | 1.19                         |                          | 0.90                     |
| Upper Bound                |                          |                               |                              |                             |                             |                              | 1.29                         |                          | 0.98                     |
| MGeo08                     |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| MGeo08                     |                          | 0.007                         | 3.32                         | 7.4                         | 0.9                         | 0.02                         | 0.84                         |                          |                          |
| Target Range - Lower Bound |                          | 0.006                         | 2.80                         | 6.7                         | 0.6                         | <0.01                        | 0.64                         |                          |                          |
| Upper Bound                |                          | 0.010                         | 3.90                         | 8.4                         | 1.5                         | 0.04                         | 0.92                         |                          |                          |
| OREAS 218                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 220                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 501b                 |                          | 0.002                         | 0.48                         | 6.8                         | 2.8                         | 0.08                         | 0.67                         |                          |                          |
| Target Range - Lower Bound |                          |                               | 0.34                         | 6.3                         | 2.2                         | 0.05                         | 0.57                         |                          |                          |
| Upper Bound                |                          |                               | 0.64                         | 7.9                         | 3.3                         | 0.10                         | 0.81                         |                          |                          |
| OREAS 602                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS-101b                 |                          |                               |                              |                             |                             |                              |                              |                          |                          |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313294**

| Sample Description         | Method Analyte Units LOD | ME-XRF26 Al2O3 % | ME-XRF26 BaO % | ME-XRF26 CaO % | ME-XRF26 Cr2O3 % | ME-XRF26 Fe2O3 % | ME-XRF26 K2O % | ME-XRF26 MgO % | ME-XRF26 MnO % | ME-XRF26 Na2O % | ME-XRF26 P2O5 % | ME-XRF26 SiO2 % | ME-XRF26 SrO % | ME-XRF26 TiO2 % | OA-GRA05x LOI 1000 % | ME-XRF26 Total % |
|----------------------------|--------------------------|------------------|----------------|----------------|------------------|------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------------|------------------|
| <b>STANDARDS</b>           |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Upper Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| SCH-1                      |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 2.72                 |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 2.58                 |                  |
| Target Range - Upper Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 2.88                 |                  |
| <b>BLANKS</b>              |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Upper Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Upper Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          | <0.01            | 0.01           | <0.01          | <0.01            | <0.01            | <0.01          | 0.02           | <0.01          | 0.01            | <0.01           | 99.50           | <0.01          | 0.01            |                      | 99.55            |
| Target Range - Upper Bound |                          | <0.01            | <0.01          | <0.01          | <0.01            | <0.01            | <0.01          | <0.01          | <0.01          | <0.01           | <0.01           | <0.01           | <0.01          | <0.01           |                      | <0.01            |
| BLANK                      |                          | 0.02             | 0.02           | 0.02           | 0.02             | 0.02             | 0.02           | 0.02           | 0.02           | 0.02            | 0.02            | 0.02            | 0.02           | 0.02            |                      | 0.02             |
| BLANK                      |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | -0.01                |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | <0.01                |                  |
| Target Range - Upper Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 0.02                 |                  |
| BLANK                      |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Upper Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
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 Finalized Date: 2-JAN-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313294**

| Sample Description         | Method<br>Analyte<br>Units<br>LOD | ME-MS81<br>Ba<br>ppm<br>0.5 | ME-MS81<br>Ce<br>ppm<br>0.1 | ME-MS81<br>Cr<br>ppm<br>10 | ME-MS81<br>Cs<br>ppm<br>0.01 | ME-MS81<br>Dy<br>ppm<br>0.05 | ME-MS81<br>Er<br>ppm<br>0.03 | ME-MS81<br>Eu<br>ppm<br>0.03 | ME-MS81<br>Ga<br>ppm<br>0.1 | ME-MS81<br>Gd<br>ppm<br>0.05 | ME-MS81<br>Ge<br>ppm<br>5 | ME-MS81<br>Hf<br>ppm<br>0.2 | ME-MS81<br>Ho<br>ppm<br>0.01 | ME-MS81<br>La<br>ppm<br>0.1 | ME-MS81<br>Lu<br>ppm<br>0.01 | ME-MS81<br>Nb<br>ppm<br>0.2 |
|----------------------------|-----------------------------------|-----------------------------|-----------------------------|----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|------------------------------|---------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|-----------------------------|
| <b>STANDARDS</b>           |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   | 1200                        |                             |                            |                              | 28.8                         | 16.80                        | 6.96                         |                             | 32.4                         |                           |                             | 5.70                         | 710                         | 2.31                         |                             |
| Upper Bound                |                                   | 1465                        |                             |                            |                              | 35.4                         | 20.6                         | 8.58                         |                             | 39.7                         |                           |                             | 6.98                         | 868                         | 2.85                         |                             |
| SCH-1                      |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| <b>BLANKS</b>              |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| BLANK                      |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| BLANK                      |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| BLANK                      |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   | 0.5                         | <0.1                        | <10                        | 0.01                         | <0.05                        | <0.03                        | <0.03                        | 0.1                         | <0.05                        | <5                        | <0.2                        | <0.01                        | <0.1                        | <0.01                        | <0.2                        |
| Upper Bound                |                                   | <0.5                        | <0.1                        | <10                        | <0.01                        | <0.05                        | <0.03                        | <0.03                        | <0.1                        | <0.05                        |                           | <0.2                        | <0.01                        | <0.1                        | <0.01                        | <0.2                        |
| Target Range - Lower Bound |                                   | 1.0                         | 0.2                         | 20                         | 0.02                         | 0.10                         | 0.06                         | 0.06                         | 0.2                         | 0.10                         |                           | 0.4                         | 0.02                         | 0.2                         | 0.02                         | 0.4                         |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| BLANK                      |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| BLANK                      |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313294**

| Sample Description         | Method | Analyte | Units | LOD | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |     |     |     |       |
|----------------------------|--------|---------|-------|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----|-----|-----|-------|
|                            |        |         |       |     | Nd      | Pr      | Rb      | Sm      | Sn      | Sr      | Ta      | Tb      | Th      | Tm      | U       | V   | W   | Y   | Yb    |
|                            |        |         |       |     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm | ppm | ppm | ppm   |
|                            |        |         |       |     | 0.1     | 0.03    | 0.2     | 0.03    | 1       | 0.1     | 0.1     | 0.01    | 0.05    | 0.01    | 0.05    | 5   | 1   | 0.1 | 0.03  |
| <b>STANDARDS</b>           |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |     |       |
| Target Range - Lower Bound |        |         |       |     | 340     | 114.5   |         | 43.2    |         |         |         | 4.82    | 32.7    | 2.38    | 348     | 66  |     |     | 160.0 |
| Upper Bound                |        |         |       |     | 416     | 139.5   |         | 52.8    |         |         |         | 5.92    | 40.1    | 2.94    | 426     | 94  |     |     | 196.0 |
| SCH-1                      |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |     |       |
| Target Range - Lower Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |     |       |
| Upper Bound                |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |     |       |
| <b>BLANKS</b>              |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |     |       |
| BLANK                      |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |     |       |
| Target Range - Lower Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |     |       |
| Upper Bound                |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |     |       |
| BLANK                      |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |     |       |
| Target Range - Lower Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |     |       |
| Upper Bound                |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |     |       |
| BLANK                      |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |     |       |
| Target Range - Lower Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |     |       |
| Upper Bound                |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |     |       |
| BLANK                      |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |     |       |
| Target Range - Lower Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |     |       |
| Upper Bound                |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |     |       |
| BLANK                      |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |     |       |
| Target Range - Lower Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |     |       |
| Upper Bound                |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |     |       |
| BLANK                      |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |     |       |
| Target Range - Lower Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |     |       |
| Upper Bound                |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |     |       |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313294**

| Sample Description         | Method Analyte Units LOD | ME-MS81<br>Zr<br>ppm<br>2 | ME-4ACD81<br>Ag<br>ppm<br>0.5 | ME-4ACD81<br>Cd<br>ppm<br>0.5 | ME-4ACD81<br>Co<br>ppm<br>1 | ME-4ACD81<br>Cu<br>ppm<br>1 | ME-4ACD81<br>Li<br>ppm<br>10 | ME-4ACD81<br>Mo<br>ppm<br>1 | ME-4ACD81<br>Ni<br>ppm<br>1 | ME-4ACD81<br>Pb<br>ppm<br>2 | ME-4ACD81<br>Sc<br>ppm<br>1 | ME-4ACD81<br>Zn<br>ppm<br>2 | ME-MS42<br>As<br>ppm<br>0.1 | ME-MS42<br>Bi<br>ppm<br>0.01 | ME-MS42<br>Hg<br>ppm<br>0.005 | ME-MS42<br>In<br>ppm<br>0.005 |  |
|----------------------------|--------------------------|---------------------------|-------------------------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|--|
| <b>STANDARDS</b>           |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Upper Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| SCH-1                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Upper Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| <b>BLANKS</b>              |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| BLANK                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Upper Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| BLANK                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Upper Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| BLANK                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Upper Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| BLANK                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Upper Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| BLANK                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Upper Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| BLANK                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Upper Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| BLANK                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Upper Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313294**

| Sample Description         | Method Analyte Units LOD | ME-MS42<br>Re<br>ppm<br>0.001 | ME-MS42<br>Sb<br>ppm<br>0.05 | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02 | S-IR08<br>S<br>%<br>0.01 | C-IR07<br>C<br>%<br>0.01 |
|----------------------------|--------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------|--------------------------|
| <b>STANDARDS</b>           |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Upper Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| SCH-1                      |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Upper Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| <b>BLANKS</b>              |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              | <0.01                    |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              | <0.01                    |                          |
| Target Range - Upper Bound |                          |                               |                              |                             |                             |                              |                              | 0.02                     |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Upper Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          | <0.001                        | <0.05                        | <0.1                        | <0.2                        | <0.01                        | <0.02                        |                          |                          |
| Target Range - Lower Bound |                          | <0.001                        | <0.05                        | <0.1                        | <0.2                        | <0.01                        | <0.02                        |                          |                          |
| Target Range - Upper Bound |                          | 0.002                         | 0.10                         | 0.2                         | 0.4                         | 0.02                         | 0.04                         |                          |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Upper Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Upper Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              | <0.01                    | <0.01                    |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              | <0.01                    | <0.01                    |
| Target Range - Upper Bound |                          |                               |                              |                             |                             |                              |                              | 0.02                     | 0.02                     |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313294**

| Sample Description         | Method<br>Analyte<br>Units<br>LOD | ME-XRF26   | ME-XRF26 | ME-XRF26 | ME-XRF26   | ME-XRF26   | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26  | ME-XRF26  | ME-XRF26  | ME-XRF26 | ME-XRF26  | ME-XRF26      | ME-XRF26   |
|----------------------------|-----------------------------------|------------|----------|----------|------------|------------|----------|----------|----------|-----------|-----------|-----------|----------|-----------|---------------|------------|
|                            |                                   | Al2O3<br>% | BaO<br>% | CaO<br>% | Cr2O3<br>% | Fe2O3<br>% | K2O<br>% | MgO<br>% | MnO<br>% | Na2O<br>% | P2O5<br>% | SiO2<br>% | SrO<br>% | TiO2<br>% | LOI 1000<br>% | Total<br>% |
|                            |                                   | 0.01       | 0.01     | 0.01     | 0.01       | 0.01       | 0.01     | 0.01     | 0.01     | 0.01      | 0.01      | 0.01      | 0.01     | 0.01      | 0.01          | 0.01       |
| <b>DUPLICATES</b>          |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |
| W933448                    |                                   | 10.55      | 0.15     | 8.51     | 0.18       | 9.70       | 1.73     | 12.80    | 0.19     | 1.22      | 0.22      | 37.71     | 0.04     | 0.55      | 16.04         | 99.94      |
| DUP                        |                                   | 10.54      | 0.14     | 8.51     | 0.17       | 9.69       | 1.72     | 12.85    | 0.19     | 1.22      | 0.22      | 37.76     | 0.04     | 0.55      | 15.92         | 99.98      |
| Target Range - Lower Bound |                                   | 10.38      | 0.13     | 8.37     | 0.16       | 9.54       | 1.67     | 12.60    | 0.18     | 1.18      | 0.20      | 37.16     | 0.03     | 0.53      | 15.57         | 98.95      |
| Upper Bound                |                                   | 10.71      | 0.16     | 8.65     | 0.19       | 9.85       | 1.78     | 13.05    | 0.20     | 1.26      | 0.24      | 38.31     | 0.05     | 0.57      | 16.39         | 100.95     |
| W933455                    |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |
| DUP                        |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |
| Target Range - Lower Bound |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |
| Upper Bound                |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |
| W933648                    |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |
| DUP                        |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |
| Target Range - Lower Bound |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |
| Upper Bound                |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |
| W933399                    |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |
| DUP                        |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |
| Target Range - Lower Bound |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |
| Upper Bound                |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
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 Finalized Date: 2-JAN-2020  
 Account: GOLHIGH

Project: Golden Perimeter

|                                              |
|----------------------------------------------|
| <b>QC CERTIFICATE OF ANALYSIS TM19313294</b> |
|----------------------------------------------|

| Sample Description                                          | Method<br>Analyte<br>Units<br>LOD | ME-MS81<br>Ba<br>ppm<br>0.5  | ME-MS81<br>Ce<br>ppm<br>0.1      | ME-MS81<br>Cr<br>ppm<br>10 | ME-MS81<br>Cs<br>ppm<br>0.01 | ME-MS81<br>Dy<br>ppm<br>0.05 | ME-MS81<br>Er<br>ppm<br>0.03 | ME-MS81<br>Eu<br>ppm<br>0.03 | ME-MS81<br>Ga<br>ppm<br>0.1  | ME-MS81<br>Gd<br>ppm<br>0.05 | ME-MS81<br>Ge<br>ppm<br>5 | ME-MS81<br>Hf<br>ppm<br>0.2 | ME-MS81<br>Ho<br>ppm<br>0.01 | ME-MS81<br>La<br>ppm<br>0.1  | ME-MS81<br>Lu<br>ppm<br>0.01 | ME-MS81<br>Nb<br>ppm<br>0.2 |
|-------------------------------------------------------------|-----------------------------------|------------------------------|----------------------------------|----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|---------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|
| <b>DUPLICATES</b>                                           |                                   |                              |                                  |                            |                              |                              |                              |                              |                              |                              |                           |                             |                              |                              |                              |                             |
| W933448<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                                   |                              |                                  |                            |                              |                              |                              |                              |                              |                              |                           |                             |                              |                              |                              |                             |
| W933455<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                                   |                              |                                  |                            |                              |                              |                              |                              |                              |                              |                           |                             |                              |                              |                              |                             |
| W933648<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                                   | 2050<br>2140<br>1990<br>2200 | 115.0<br>117.0<br>110.0<br>122.0 | 320<br>340<br>300<br>360   | 3.04<br>3.04<br>2.88<br>3.20 | 3.83<br>3.95<br>3.65<br>4.13 | 1.81<br>1.91<br>1.74<br>1.98 | 2.17<br>2.39<br>2.14<br>2.42 | 19.5<br>20.5<br>18.9<br>21.1 | 6.46<br>6.79<br>6.24<br>7.01 | <5<br><5<br><5<br>10      | 4.0<br>3.9<br>3.6<br>4.3    | 0.65<br>0.73<br>0.65<br>0.73 | 56.0<br>56.6<br>53.4<br>59.2 | 0.17<br>0.21<br>0.17<br>0.21 | 5.0<br>5.5<br>4.8<br>5.7    |
| W933399<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                                   |                              |                                  |                            |                              |                              |                              |                              |                              |                              |                           |                             |                              |                              |                              |                             |



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 North Vancouver BC V7H 0A7  
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Project: Golden Perimeter

|                                              |
|----------------------------------------------|
| <b>QC CERTIFICATE OF ANALYSIS TM19313294</b> |
|----------------------------------------------|

| Sample Description                                          | Method                       | Analyte                          | Units                        | LOD                          | ME-MS81           | ME-MS81                      | ME-MS81                  | ME-MS81                      | ME-MS81                      | ME-MS81                      | ME-MS81                      | ME-MS81                  | ME-MS81           | ME-MS81                      | ME-MS81                      | ME-MS81 |     |     |      |
|-------------------------------------------------------------|------------------------------|----------------------------------|------------------------------|------------------------------|-------------------|------------------------------|--------------------------|------------------------------|------------------------------|------------------------------|------------------------------|--------------------------|-------------------|------------------------------|------------------------------|---------|-----|-----|------|
|                                                             |                              |                                  |                              |                              | Nd                | Pr                           | Rb                       | Sm                           | Sn                           | Sr                           | Ta                           | Tb                       | Th                | Tm                           | U                            | V       | W   | Y   | Yb   |
|                                                             |                              |                                  |                              |                              | ppm               | ppm                          | ppm                      | ppm                          | ppm                          | ppm                          | ppm                          | ppm                      | ppm               | ppm                          | ppm                          | ppm     | ppm | ppm | ppm  |
|                                                             |                              |                                  |                              |                              | 0.1               | 0.03                         | 0.2                      | 0.03                         | 1                            | 0.1                          | 0.1                          | 0.01                     | 0.05              | 0.01                         | 0.05                         | 5       | 1   | 0.1 | 0.03 |
| <b>DUPLICATES</b>                                           |                              |                                  |                              |                              |                   |                              |                          |                              |                              |                              |                              |                          |                   |                              |                              |         |     |     |      |
| W933448<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                              |                                  |                              |                              |                   |                              |                          |                              |                              |                              |                              |                          |                   |                              |                              |         |     |     |      |
| W933455<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                              |                                  |                              |                              |                   |                              |                          |                              |                              |                              |                              |                          |                   |                              |                              |         |     |     |      |
| W933648<br>DUP<br>Target Range - Lower Bound<br>Upper Bound | 56.1<br>56.7<br>53.5<br>59.3 | 13.85<br>14.10<br>13.25<br>14.70 | 73.3<br>75.7<br>70.6<br>78.4 | 8.90<br>9.65<br>8.78<br>9.77 | 1<br>1<br><1<br>2 | 1120<br>1175<br>1090<br>1205 | 0.8<br>0.9<br>0.7<br>1.0 | 0.74<br>0.74<br>0.69<br>0.79 | 8.89<br>9.50<br>8.69<br>9.70 | 0.21<br>0.21<br>0.19<br>0.23 | 2.56<br>2.68<br>2.44<br>2.80 | 162<br>171<br>153<br>180 | 1<br>1<br><1<br>2 | 17.9<br>18.7<br>17.3<br>19.3 | 1.40<br>1.44<br>1.32<br>1.52 |         |     |     |      |
| W933399<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                              |                                  |                              |                              |                   |                              |                          |                              |                              |                              |                              |                          |                   |                              |                              |         |     |     |      |



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313294**

| Sample Description         | Method Analyte Units LOD | ME-MS81<br>Zr<br>ppm<br>2 | ME-4ACD81<br>Ag<br>ppm<br>0.5 | ME-4ACD81<br>Cd<br>ppm<br>0.5 | ME-4ACD81<br>Co<br>ppm<br>1 | ME-4ACD81<br>Cu<br>ppm<br>1 | ME-4ACD81<br>Li<br>ppm<br>10 | ME-4ACD81<br>Mo<br>ppm<br>1 | ME-4ACD81<br>Ni<br>ppm<br>1 | ME-4ACD81<br>Pb<br>ppm<br>2 | ME-4ACD81<br>Sc<br>ppm<br>1 | ME-4ACD81<br>Zn<br>ppm<br>2 | ME-MS42<br>As<br>ppm<br>0.1 | ME-MS42<br>Bi<br>ppm<br>0.01 | ME-MS42<br>Hg<br>ppm<br>0.005 | ME-MS42<br>In<br>ppm<br>0.005 |  |
|----------------------------|--------------------------|---------------------------|-------------------------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|--|
| <b>DUPLICATES</b>          |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| W933448                    |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| DUP                        |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 0.3                         | 0.04                         | <0.005                        | 0.042                         |  |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 0.1                         | 0.04                         | <0.005                        | 0.041                         |  |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | <0.1                        | 0.03                         | <0.005                        | 0.034                         |  |
|                            |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 0.3                         | 0.05                         | 0.010                         | 0.049                         |  |
| W933455                    |                          |                           | <0.5                          | <0.5                          | 16                          | 35                          | 10                           | 1                           | 18                          | 21                          | 11                          | 81                          |                             |                              |                               |                               |  |
| DUP                        |                          |                           | <0.5                          | <0.5                          | 16                          | 33                          | 10                           | <1                          | 19                          | 24                          | 11                          | 79                          |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          |                           | <0.5                          | <0.5                          | 14                          | 32                          | <10                          | <1                          | 17                          | 19                          | 9                           | 74                          |                             |                              |                               |                               |  |
| Upper Bound                |                          |                           | 1.0                           | 1.0                           | 18                          | 36                          | 20                           | 2                           | 20                          | 26                          | 13                          | 86                          |                             |                              |                               |                               |  |
| W933648                    |                          | 136                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| DUP                        |                          | 147                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          | 132                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Upper Bound                |                          | 151                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| W933399                    |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| DUP                        |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313294**

| Sample Description         | Method Analyte Units LOD | ME-MS42<br>Re<br>ppm<br>0.001 | ME-MS42<br>Sb<br>ppm<br>0.05 | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02 | S-IR08<br>S<br>%<br>0.01 | C-IR07<br>C<br>%<br>0.01 |
|----------------------------|--------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------|--------------------------|
|                            |                          | <b>DUPLICATES</b>             |                              |                             |                             |                              |                              |                          |                          |
| W933448                    |                          | <0.001                        | <0.05                        | 21.7                        | 0.2                         | 0.03                         | 0.08                         |                          |                          |
| DUP                        |                          | <0.001                        | <0.05                        | 22.2                        | <0.2                        | 0.02                         | 0.08                         |                          |                          |
| Target Range - Lower Bound |                          | <0.001                        | <0.05                        | 20.8                        | <0.2                        | <0.01                        | 0.05                         |                          |                          |
| Upper Bound                |                          | 0.002                         | 0.10                         | 23.1                        | 0.4                         | 0.04                         | 0.11                         |                          |                          |
| W933455                    |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| DUP                        |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| W933648                    |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| DUP                        |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| W933399                    |                          |                               |                              |                             |                             |                              | 0.35                         | 0.77                     |                          |
| DUP                        |                          |                               |                              |                             |                             |                              | 0.37                         | 0.77                     |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              | 0.34                         | 0.77                     |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              | 0.38                         | 0.83                     |                          |
|                            |                          |                               |                              |                             |                             |                              |                              |                          |                          |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
2103 Dollarton Hwy  
North Vancouver BC V7H 0A7  
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM19313294**

### CERTIFICATE COMMENTS

#### LABORATORY ADDRESSES

|                    |                                                                                        |          |           |         |
|--------------------|----------------------------------------------------------------------------------------|----------|-----------|---------|
| Applies to Method: | Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. |          |           |         |
|                    | C-IR07                                                                                 | FND-02   | ME-4ACD81 | ME-MS42 |
|                    | ME-MS81                                                                                | ME-XRF26 | OA-GRA05x | S-IR08  |



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 North Vancouver BC V7H 0A7  
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 Account: GOLHIGH

**CERTIFICATE TM19309119**

Project: Golden Perimeter  
 P.O. No.: GP-280A-30  
 This report is for 69 Drill Core samples submitted to our lab in Timmins, ON, Canada on 5-DEC-2019.  
 The following have access to data associated with this certificate:

|                              |              |              |
|------------------------------|--------------|--------------|
| IAN DUNLOP<br>CONOR MCKINLEY | DARWIN GREEN | NEAL MAGUIRE |
|------------------------------|--------------|--------------|

| SAMPLE PREPARATION |                                 |
|--------------------|---------------------------------|
| ALS CODE           | DESCRIPTION                     |
| WEI-21             | Received Sample Weight          |
| LOG-21             | Sample logging - ClientBarCode  |
| CRU-QC             | Crushing QC Test                |
| PUL-QC             | Pulverizing QC Test             |
| CRU-31             | Fine crushing - 70% <2mm        |
| SPL-21             | Split sample - riffle splitter  |
| PUL-31             | Pulverize up to 250g 85% <75 um |
| LOG-23             | Pulp Login - Rcvd with Barcode  |

| ANALYTICAL PROCEDURES |                               |            |
|-----------------------|-------------------------------|------------|
| ALS CODE              | DESCRIPTION                   | INSTRUMENT |
| ME-ICP61              | 33 element four acid ICP-AES  | ICP-AES    |
| Au-AA26               | Ore Grade Au 50g FA AA finish | AAS        |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

**Signature:**   
 Saa Traxler, General Manager, North Vancouver



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19309119**

| Sample Description | Method  | WEI-21    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|---------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    | Analyte | Recvd Wt. | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga       |
| Units              |         | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      |
| LOD                |         | 0.02      | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       |
| W933408            |         | 0.18      | <0.01   | <0.5     | 2.69     | <5       | 60       | <0.5     | <2       | 6.18     | <0.5     | 82       | 1110     | 44       | 6.27     | 10       |
| W933409            |         | 0.18      | 0.02    | <0.5     | 2.41     | 28       | 10       | <0.5     | 2        | 6.15     | <0.5     | 115      | 1250     | 37       | 7.21     | 10       |
| W933410            |         | 0.33      | <0.01   | <0.5     | 1.04     | <5       | 10       | <0.5     | <2       | 0.05     | <0.5     | 2        | 24       | 1        | 0.78     | <10      |
| W933411            |         | 0.29      | <0.01   | <0.5     | 2.31     | 5        | 80       | <0.5     | 2        | 12.75    | <0.5     | 64       | 739      | 81       | 4.83     | <10      |
| W933412            |         | 0.48      | <0.01   | <0.5     | 4.19     | 10       | 30       | <0.5     | <2       | 4.99     | <0.5     | 97       | 1740     | 46       | 8.68     | 10       |
| W933413            |         | 0.32      | <0.01   | <0.5     | 2.82     | 14       | 20       | <0.5     | <2       | 5.78     | <0.5     | 94       | 1200     | 32       | 6.44     | 10       |
| W933414            |         | 0.51      | <0.01   | <0.5     | 2.69     | 22       | <10      | <0.5     | <2       | 4.02     | 0.5      | 99       | 1360     | 56       | 6.68     | 10       |
| W933415            |         | 0.55      | <0.01   | <0.5     | 2.54     | 10       | 10       | <0.5     | <2       | 4.96     | <0.5     | 83       | 1280     | 83       | 6.21     | 10       |
| W933416            |         | 0.33      | <0.01   | <0.5     | 2.74     | 28       | 60       | <0.5     | <2       | 5.86     | <0.5     | 82       | 1350     | 104      | 6.49     | 10       |
| W933417            |         | 0.31      | 0.01    | <0.5     | 2.89     | 7        | 50       | <0.5     | <2       | 4.48     | 0.5      | 85       | 1420     | 92       | 6.79     | 10       |
| W933418            |         | 0.61      | 0.02    | <0.5     | 2.53     | <5       | 40       | 0.6      | <2       | 4.87     | 0.5      | 70       | 974      | 108      | 6.62     | 10       |
| W933419            |         | 0.42      | 0.01    | <0.5     | 5.85     | <5       | 280      | 1.1      | <2       | 3.13     | 0.5      | 91       | 1410     | 104      | 9.16     | 10       |
| W933420            |         | 0.06      | 0.53    | <0.5     | 7.15     | 8        | 150      | <0.5     | <2       | 7.02     | 0.5      | 45       | 159      | 159      | 8.36     | 20       |
| W933421            |         | 0.23      | <0.01   | <0.5     | 5.06     | <5       | 230      | 1.0      | <2       | 4.12     | <0.5     | 71       | 1110     | 53       | 8.22     | 10       |
| W933422            |         | 0.26      | 0.01    | <0.5     | 7.60     | <5       | 1330     | 1.3      | <2       | 5.42     | <0.5     | 29       | 149      | 71       | 5.00     | 20       |
| W933423            |         | 0.29      | 0.01    | <0.5     | 3.15     | <5       | 10       | <0.5     | <2       | 5.23     | 0.5      | 95       | 1530     | 75       | 7.29     | 10       |
| W933424            |         | 0.26      | 0.01    | <0.5     | 3.23     | <5       | 10       | 1.0      | <2       | 3.63     | <0.5     | 88       | 1450     | 57       | 6.91     | 10       |
| W933425            |         | 0.41      | 0.01    | <0.5     | 7.32     | <5       | 1510     | 4.1      | 3        | 4.93     | <0.5     | 33       | 130      | 76       | 6.01     | 20       |
| W933426            |         | 0.40      | 0.01    | <0.5     | 6.34     | <5       | 1260     | 3.4      | <2       | 3.94     | <0.5     | 35       | 265      | 105      | 5.91     | 20       |
| W933427            |         | 0.33      | 0.01    | <0.5     | 2.45     | <5       | 20       | 0.6      | <2       | 4.02     | <0.5     | 80       | 1255     | 62       | 5.86     | 10       |
| W933428            |         | 0.81      | <0.01   | <0.5     | 1.80     | <5       | 60       | <0.5     | <2       | 3.93     | <0.5     | 82       | 1065     | 33       | 5.42     | 10       |
| W933429            |         | 0.68      | 0.01    | <0.5     | 2.26     | <5       | 70       | <0.5     | <2       | 3.66     | <0.5     | 89       | 1205     | 49       | 6.03     | 10       |
| W933430            |         | 0.18      | <0.01   | <0.5     | 0.76     | <5       | 20       | <0.5     | <2       | 0.03     | <0.5     | <1       | 22       | 1        | 0.77     | <10      |
| W933431            |         | 0.53      | 0.01    | <0.5     | 2.41     | <5       | 20       | 0.5      | <2       | 5.02     | 0.5      | 86       | 1240     | 47       | 6.21     | 10       |
| W933432            |         | 0.65      | <0.01   | <0.5     | 2.93     | <5       | 10       | 0.5      | <2       | 3.39     | <0.5     | 84       | 1395     | 48       | 6.67     | 10       |
| W933433            |         | 0.33      | 0.03    | <0.5     | 3.14     | <5       | 770      | 0.9      | <2       | 6.27     | <0.5     | 78       | 1130     | 25       | 6.05     | 10       |
| W933434            |         | 0.80      | 0.01    | <0.5     | 3.51     | <5       | 80       | 1.0      | <2       | 4.10     | 0.5      | 77       | 1060     | 60       | 6.14     | 10       |
| W933435            |         | 0.72      | 0.05    | <0.5     | 7.58     | <5       | 1570     | 1.6      | <2       | 4.01     | <0.5     | 22       | 73       | 14       | 4.49     | 20       |
| W933436            |         | 0.59      | 0.31    | <0.5     | 6.98     | <5       | 1180     | 2.0      | 2        | 4.07     | <0.5     | 23       | 90       | 27       | 4.20     | 20       |
| W933437            |         | 0.14      | 0.01    | <0.5     | 6.81     | <5       | 1230     | 3.1      | <2       | 5.72     | <0.5     | 37       | 547      | 34       | 5.57     | 20       |
| W933438            |         | 0.30      | 0.01    | <0.5     | 7.88     | <5       | 1530     | 2.6      | 2        | 1.78     | <0.5     | 42       | 78       | 39       | 5.88     | 20       |
| W933439            |         | 0.36      | <0.01   | <0.5     | 8.09     | <5       | 1500     | 3.4      | <2       | 3.02     | <0.5     | 24       | 94       | 53       | 4.85     | 20       |
| W933440            |         | 0.05      | 0.52    | <0.5     | 7.09     | 7        | 150      | <0.5     | 2        | 7.04     | 0.7      | 48       | 157      | 160      | 8.46     | 20       |
| W933441            |         | 0.59      | <0.01   | <0.5     | 7.85     | <5       | 1560     | 2.8      | <2       | 4.27     | <0.5     | 23       | 76       | 23       | 4.97     | 20       |
| W933442            |         | 0.41      | <0.01   | <0.5     | 7.81     | <5       | 1510     | 3.1      | <2       | 4.14     | <0.5     | 20       | 73       | 18       | 4.62     | 20       |
| W933443            |         | 0.51      | 0.01    | <0.5     | 7.76     | <5       | 1330     | 2.8      | <2       | 4.01     | <0.5     | 15       | 124      | 36       | 4.16     | 20       |
| W933444            |         | 0.23      | 0.26    | <0.5     | 7.48     | <5       | 1990     | 2.2      | <2       | 3.92     | <0.5     | 20       | 75       | 22       | 4.48     | 20       |
| W933445            |         | 0.42      | 0.35    | <0.5     | 6.67     | <5       | 2260     | 3.7      | <2       | 2.72     | <0.5     | 13       | 40       | 75       | 3.29     | 20       |
| W933446            |         | 0.55      | 0.06    | <0.5     | 7.84     | <5       | 1630     | 5.4      | 2        | 3.20     | <0.5     | 17       | 34       | 27       | 3.82     | 20       |
| W933447            |         | 0.78      | 0.12    | <0.5     | 7.05     | <5       | 1090     | 2.6      | 2        | 4.38     | <0.5     | 28       | 93       | 39       | 4.64     | 20       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19309119**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| W933408            |                          | 0.42     | <10      | 15.25    | 1255     | 1        | 0.05     | 1310     | 80       | <2       | 0.15     | <5       | 17       | 195      | <20      | 0.09 |
| W933409            |                          | 0.11     | <10      | 15.10    | 1275     | <1       | 0.02     | 1460     | 70       | 18       | 2.09     | <5       | 15       | 197      | <20      | 0.10 |
| W933410            |                          | 0.03     | 10       | 0.13     | 39       | <1       | 0.01     | 13       | 60       | <2       | 0.01     | <5       | 1        | 9        | <20      | 0.03 |
| W933411            |                          | 0.31     | <10      | 11.95    | 1725     | 3        | 0.04     | 775      | 120      | 8        | 0.28     | <5       | 11       | 369      | <20      | 0.08 |
| W933412            |                          | 0.50     | <10      | 14.50    | 966      | 3        | 0.15     | 997      | 130      | <2       | 0.33     | <5       | 27       | 157      | <20      | 0.10 |
| W933413            |                          | 0.19     | <10      | 15.10    | 1285     | <1       | 0.02     | 1330     | 70       | 2        | 0.32     | <5       | 18       | 243      | <20      | 0.08 |
| W933414            |                          | 0.06     | <10      | 16.35    | 1110     | 8        | 0.01     | 1520     | 80       | 4        | 0.63     | <5       | 17       | 132      | <20      | 0.08 |
| W933415            |                          | 0.06     | <10      | 15.65    | 1255     | 13       | 0.01     | 1490     | 120      | 6        | 0.39     | 5        | 16       | 178      | <20      | 0.07 |
| W933416            |                          | 0.71     | <10      | 14.60    | 1105     | 27       | 0.02     | 1340     | 70       | 16       | 1.02     | <5       | 17       | 198      | <20      | 0.08 |
| W933417            |                          | 0.16     | <10      | 15.65    | 1115     | 19       | 0.02     | 1370     | 30       | 7        | 0.48     | 5        | 19       | 119      | <20      | 0.06 |
| W933418            |                          | 1.77     | <10      | 13.65    | 1235     | 20       | 0.13     | 966      | 170      | 4        | 0.53     | <5       | 19       | 86       | <20      | 0.13 |
| W933419            |                          | 5.51     | <10      | 11.35    | 1195     | 11       | 0.57     | 629      | 80       | <2       | 0.41     | <5       | 35       | 79       | <20      | 0.32 |
| W933420            |                          | 0.21     | <10      | 4.34     | 1390     | 1        | 2.24     | 102      | 430      | <2       | 0.15     | <5       | 43       | 124      | <20      | 0.66 |
| W933421            |                          | 4.89     | <10      | 9.37     | 1180     | 1        | 1.10     | 466      | 130      | 2        | 0.15     | 5        | 32       | 100      | <20      | 0.28 |
| W933422            |                          | 3.24     | 80       | 4.19     | 883      | <1       | 4.06     | 73       | 3220     | 6        | 0.21     | <5       | 19       | 641      | <20      | 0.40 |
| W933423            |                          | 0.04     | <10      | 15.45    | 1265     | 1        | 0.03     | 1380     | 50       | 2        | 0.20     | 5        | 20       | 155      | <20      | 0.06 |
| W933424            |                          | 0.72     | <10      | 14.95    | 1115     | 3        | 0.01     | 1410     | 50       | 7        | 0.05     | <5       | 19       | 84       | <20      | 0.10 |
| W933425            |                          | 2.61     | 60       | 4.14     | 1170     | <1       | 3.77     | 85       | 3240     | 8        | 0.17     | <5       | 23       | 671      | 20       | 0.44 |
| W933426            |                          | 2.23     | 50       | 5.18     | 1025     | <1       | 3.49     | 235      | 2940     | 21       | 1.71     | <5       | 22       | 527      | 20       | 0.35 |
| W933427            |                          | 0.08     | <10      | 15.40    | 1115     | 1        | 0.04     | 1420     | 40       | 2        | 0.37     | <5       | 15       | 147      | <20      | 0.04 |
| W933428            |                          | 0.01     | <10      | 16.45    | 949      | <1       | 0.01     | 1680     | 20       | <2       | 0.19     | <5       | 13       | 155      | <20      | 0.03 |
| W933429            |                          | 0.01     | <10      | 16.10    | 1020     | 1        | 0.01     | 1535     | 30       | 2        | 0.42     | <5       | 15       | 139      | <20      | 0.04 |
| W933430            |                          | 0.06     | 10       | 0.13     | 33       | <1       | 0.01     | 14       | 70       | <2       | <0.01    | <5       | 1        | 19       | <20      | 0.03 |
| W933431            |                          | 0.01     | <10      | 15.70    | 1305     | 5        | 0.01     | 1395     | 60       | <2       | 0.48     | <5       | 16       | 185      | <20      | 0.05 |
| W933432            |                          | 0.01     | <10      | 15.90    | 1000     | 1        | 0.01     | 1390     | 80       | <2       | 0.18     | <5       | 19       | 105      | <20      | 0.05 |
| W933433            |                          | 0.04     | <10      | 12.80    | 1515     | 1        | 0.19     | 1050     | 70       | 9        | 0.57     | <5       | 19       | 231      | <20      | 0.03 |
| W933434            |                          | 0.05     | 10       | 12.45    | 949      | 2        | 0.46     | 1090     | 190      | <2       | 0.29     | <5       | 17       | 166      | <20      | 0.05 |
| W933435            |                          | 1.03     | 30       | 3.52     | 967      | <1       | 4.56     | 43       | 2010     | 4        | 0.34     | <5       | 15       | 244      | <20      | 0.20 |
| W933436            |                          | 1.18     | 30       | 2.80     | 892      | <1       | 4.10     | 40       | 1530     | 4        | 0.46     | <5       | 14       | 342      | <20      | 0.21 |
| W933437            |                          | 0.47     | 30       | 6.21     | 1400     | <1       | 3.35     | 259      | 1110     | 11       | 0.30     | <5       | 19       | 501      | <20      | 0.17 |
| W933438            |                          | 1.49     | 30       | 3.17     | 584      | <1       | 3.99     | 31       | 1690     | 15       | 1.92     | <5       | 15       | 641      | <20      | 0.29 |
| W933439            |                          | 1.54     | 30       | 2.97     | 816      | 1        | 4.22     | 34       | 1760     | 30       | 0.08     | <5       | 16       | 981      | <20      | 0.33 |
| W933440            |                          | 0.20     | <10      | 4.39     | 1375     | <1       | 2.25     | 101      | 440      | 4        | 0.16     | <5       | 43       | 121      | <20      | 0.65 |
| W933441            |                          | 1.69     | 30       | 2.81     | 1000     | <1       | 4.01     | 29       | 1740     | 30       | 0.03     | <5       | 15       | 1060     | <20      | 0.34 |
| W933442            |                          | 1.86     | 30       | 2.61     | 876      | <1       | 4.03     | 23       | 1680     | 31       | 0.13     | <5       | 15       | 884      | <20      | 0.30 |
| W933443            |                          | 1.79     | 30       | 2.22     | 936      | <1       | 4.69     | 33       | 1480     | 18       | 0.23     | <5       | 13       | 640      | <20      | 0.27 |
| W933444            |                          | 1.69     | 30       | 2.55     | 955      | <1       | 4.47     | 26       | 1740     | 11       | 0.25     | <5       | 14       | 401      | <20      | 0.29 |
| W933445            |                          | 2.12     | 40       | 1.56     | 625      | 1        | 3.31     | 20       | 1580     | 24       | 0.58     | <5       | 11       | 208      | <20      | 0.21 |
| W933446            |                          | 2.11     | 50       | 1.48     | 724      | <1       | 4.88     | 20       | 1710     | 32       | 0.12     | <5       | 10       | 849      | 20       | 0.26 |
| W933447            |                          | 1.51     | 60       | 3.19     | 845      | <1       | 3.78     | 70       | 2640     | 11       | 0.55     | <5       | 16       | 413      | 20       | 0.20 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W933408            |                                   | <10      | <10      | 106      | <10      | 67       |
| W933409            |                                   | <10      | <10      | 97       | <10      | 59       |
| W933410            |                                   | <10      | <10      | 6        | <10      | 3        |
| W933411            |                                   | <10      | <10      | 78       | <10      | 30       |
| W933412            |                                   | <10      | <10      | 151      | <10      | 76       |
| W933413            |                                   | <10      | <10      | 108      | <10      | 49       |
| W933414            |                                   | <10      | <10      | 110      | <10      | 55       |
| W933415            |                                   | <10      | <10      | 98       | <10      | 45       |
| W933416            |                                   | <10      | <10      | 115      | <10      | 54       |
| W933417            |                                   | <10      | <10      | 121      | <10      | 47       |
| W933418            |                                   | <10      | <10      | 112      | <10      | 57       |
| W933419            |                                   | <10      | <10      | 221      | <10      | 83       |
| W933420            |                                   | <10      | <10      | 304      | <10      | 87       |
| W933421            |                                   | <10      | <10      | 204      | <10      | 84       |
| W933422            |                                   | <10      | <10      | 150      | <10      | 53       |
| W933423            |                                   | <10      | <10      | 117      | <10      | 53       |
| W933424            |                                   | 10       | <10      | 123      | <10      | 54       |
| W933425            |                                   | <10      | <10      | 160      | <10      | 91       |
| W933426            |                                   | 10       | <10      | 163      | <10      | 101      |
| W933427            |                                   | 10       | <10      | 97       | <10      | 64       |
| W933428            |                                   | <10      | <10      | 78       | <10      | 48       |
| W933429            |                                   | <10      | <10      | 91       | <10      | 55       |
| W933430            |                                   | <10      | <10      | 6        | <10      | 2        |
| W933431            |                                   | <10      | <10      | 96       | <10      | 59       |
| W933432            |                                   | 10       | <10      | 114      | <10      | 70       |
| W933433            |                                   | <10      | <10      | 109      | <10      | 64       |
| W933434            |                                   | 10       | <10      | 120      | <10      | 79       |
| W933435            |                                   | 10       | <10      | 136      | <10      | 77       |
| W933436            |                                   | <10      | <10      | 121      | <10      | 68       |
| W933437            |                                   | <10      | <10      | 160      | <10      | 121      |
| W933438            |                                   | <10      | <10      | 143      | <10      | 91       |
| W933439            |                                   | 10       | <10      | 149      | <10      | 96       |
| W933440            |                                   | <10      | <10      | 303      | <10      | 86       |
| W933441            |                                   | <10      | <10      | 153      | <10      | 94       |
| W933442            |                                   | 10       | <10      | 141      | <10      | 87       |
| W933443            |                                   | <10      | <10      | 129      | <10      | 70       |
| W933444            |                                   | <10      | <10      | 138      | <10      | 81       |
| W933445            |                                   | 10       | <10      | 143      | <10      | 59       |
| W933446            |                                   | <10      | <10      | 120      | <10      | 61       |
| W933447            |                                   | 10       | <10      | 141      | <10      | 79       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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| Sample Description | Method Analyte Units LOD | WEI-21       | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|--------------------|--------------------------|--------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Recvd Wt. kg | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm |
|                    |                          | 0.02         | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10     |
| W933448            |                          | 0.54         | 0.02    | <0.5     | 5.47     | <5       | 1250     | 2.5      | <2       | 5.90     | 0.7      | 52       | 745      | 15       | 6.50     | 20     |
| W933449            |                          | 0.55         | 0.06    | <0.5     | 5.84     | <5       | 1010     | 4.3      | 2        | 5.17     | <0.5     | 56       | 1025     | 15       | 6.28     | 20     |
| W933450            |                          | 0.35         | <0.01   | <0.5     | 0.90     | <5       | 30       | <0.5     | <2       | 0.04     | <0.5     | 2        | 19       | 1        | 0.59     | <10    |
| W933451            |                          | 0.70         | 0.13    | <0.5     | 7.27     | <5       | 2290     | 2.5      | 2        | 3.38     | <0.5     | 17       | 69       | 118      | 3.72     | 20     |
| W933452            |                          | 0.32         | 0.02    | <0.5     | 7.60     | <5       | 2430     | 3.0      | <2       | 2.83     | <0.5     | 13       | 50       | 89       | 3.62     | 20     |
| W933453            |                          | 0.38         | 0.02    | <0.5     | 7.51     | <5       | 2250     | 3.0      | <2       | 3.23     | <0.5     | 15       | 42       | 69       | 3.67     | 20     |
| W933454            |                          | 0.18         | 0.11    | <0.5     | 7.78     | <5       | 2440     | 3.9      | 2        | 3.37     | <0.5     | 14       | 37       | 31       | 3.45     | 20     |
| W933455            |                          | 0.74         | <0.01   | <0.5     | 8.33     | <5       | 2630     | 4.0      | <2       | 3.43     | <0.5     | 16       | 49       | 41       | 4.14     | 20     |
| W933456            |                          | 0.34         | 0.02    | <0.5     | 7.57     | <5       | 2800     | 3.3      | <2       | 3.63     | <0.5     | 13       | 44       | 63       | 3.60     | 20     |
| W933457            |                          | 0.86         | 0.01    | <0.5     | 8.15     | <5       | 2700     | 3.8      | <2       | 3.73     | <0.5     | 17       | 56       | 20       | 4.27     | 20     |
| W933458            |                          | 0.43         | <0.01   | <0.5     | 8.28     | <5       | 2270     | 3.7      | <2       | 3.10     | <0.5     | 16       | 59       | 55       | 4.04     | 30     |
| W933459            |                          | 0.41         | <0.01   | <0.5     | 7.75     | <5       | 2210     | 5.8      | <2       | 3.77     | <0.5     | 21       | 50       | 42       | 4.41     | 20     |
| W933460            |                          | 0.06         | 0.55    | <0.5     | 7.20     | 8        | 160      | <0.5     | <2       | 7.39     | <0.5     | 49       | 169      | 165      | 8.67     | 20     |
| W933461            |                          | 0.54         | <0.01   | <0.5     | 7.16     | <5       | 3130     | 5.2      | 2        | 4.90     | <0.5     | 27       | 68       | 44       | 5.63     | 20     |
| W933462            |                          | 0.17         | 0.01    | <0.5     | 7.84     | <5       | 2070     | 4.2      | 2        | 5.01     | <0.5     | 25       | 50       | 52       | 5.85     | 20     |
| W933463            |                          | 1.19         | <0.01   | <0.5     | 7.51     | <5       | 3240     | 5.8      | 2        | 4.41     | <0.5     | 23       | 36       | 39       | 5.45     | 20     |
| W933464            |                          | 0.44         | <0.01   | <0.5     | 8.25     | <5       | 2260     | 6.1      | <2       | 3.25     | <0.5     | 15       | 32       | 44       | 3.95     | 20     |
| W933465            |                          | 0.43         | <0.01   | 0.5      | 8.12     | <5       | 2720     | 6.4      | <2       | 3.04     | <0.5     | 18       | 41       | 79       | 4.26     | 20     |
| W933466            |                          | 0.74         | 0.09    | <0.5     | 7.82     | <5       | 2000     | 4.3      | <2       | 4.16     | <0.5     | 20       | 39       | 71       | 4.45     | 20     |
| W933467            |                          | 0.29         | 0.02    | 0.8      | 5.70     | <5       | 90       | 3.3      | 5        | 2.51     | <0.5     | 29       | 40       | 205      | 6.48     | 20     |
| W933468            |                          | 0.18         | <0.01   | <0.5     | 7.20     | <5       | 3010     | 4.7      | <2       | 4.94     | <0.5     | 30       | 45       | 51       | 6.44     | 20     |
| W933469            |                          | 0.27         | <0.01   | <0.5     | 8.15     | <5       | 2570     | 4.4      | 2        | 4.38     | <0.5     | 23       | 57       | 15       | 5.04     | 20     |
| W933470            |                          | 0.37         | <0.01   | <0.5     | 0.80     | <5       | 20       | <0.5     | <2       | 0.02     | <0.5     | 1        | 13       | <1       | 0.75     | <10    |
| W933471            |                          | 0.32         | 0.02    | <0.5     | 7.33     | <5       | 2330     | 2.4      | <2       | 4.58     | <0.5     | 19       | 55       | 91       | 4.51     | 20     |
| W933472            |                          | 0.51         | <0.01   | <0.5     | 4.31     | <5       | 480      | 2.7      | <2       | 2.44     | <0.5     | 68       | 959      | 74       | 6.08     | 10     |
| W933473            |                          | 0.15         | 0.01    | <0.5     | 6.48     | <5       | 1710     | 3.4      | <2       | 5.00     | <0.5     | 26       | 107      | 156      | 4.68     | 20     |
| W933474            |                          | 0.28         | 0.01    | <0.5     | 7.14     | <5       | 2320     | 3.8      | 2        | 3.41     | <0.5     | 19       | 54       | 119      | 4.01     | 20     |
| W933475            |                          | 0.18         | <0.01   | <0.5     | 7.67     | <5       | 2750     | 5.0      | 4        | 4.22     | <0.5     | 27       | 58       | 30       | 5.64     | 20     |
| W933476            |                          | 0.43         | 0.02    | <0.5     | 7.81     | <5       | 2640     | 6.1      | <2       | 3.64     | <0.5     | 19       | 38       | 37       | 4.56     | 20     |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19309119**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
|                    |                          | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01 |
| W933448            |                          | 1.41     | 20       | 7.92     | 1410     | <1       | 0.89     | 418      | 960      | 4        | 0.06     | <5       | 24       | 305      | <20      | 0.16 |
| W933449            |                          | 1.35     | 20       | 8.21     | 1155     | 1        | 0.84     | 557      | 680      | 3        | 0.19     | <5       | 21       | 236      | <20      | 0.16 |
| W933450            |                          | 0.07     | 10       | 0.07     | 32       | <1       | 0.02     | 5        | 60       | <2       | <0.01    | <5       | 1        | 30       | <20      | 0.02 |
| W933451            |                          | 1.35     | 40       | 1.90     | 756      | 2        | 4.82     | 30       | 2010     | 15       | 0.98     | <5       | 10       | 693      | <20      | 0.27 |
| W933452            |                          | 1.78     | 40       | 1.68     | 681      | 1        | 4.61     | 17       | 1940     | 24       | 0.43     | <5       | 11       | 871      | <20      | 0.27 |
| W933453            |                          | 1.71     | 40       | 1.63     | 733      | <1       | 4.86     | 17       | 2020     | 23       | 0.28     | <5       | 10       | 969      | <20      | 0.29 |
| W933454            |                          | 1.36     | 40       | 1.53     | 794      | <1       | 5.10     | 14       | 1710     | 23       | 0.31     | <5       | 9        | 853      | <20      | 0.30 |
| W933455            |                          | 1.71     | 50       | 1.98     | 876      | <1       | 4.98     | 18       | 2160     | 22       | 0.02     | <5       | 11       | 1930     | 20       | 0.36 |
| W933456            |                          | 1.77     | 40       | 1.79     | 822      | <1       | 4.69     | 18       | 2090     | 30       | 0.26     | <5       | 10       | 1085     | <20      | 0.33 |
| W933457            |                          | 1.98     | 40       | 2.08     | 914      | <1       | 4.76     | 22       | 2260     | 26       | 0.07     | <5       | 12       | 1990     | 20       | 0.37 |
| W933458            |                          | 2.07     | 50       | 1.99     | 898      | <1       | 4.83     | 32       | 1970     | 35       | 0.06     | <5       | 11       | 1400     | 20       | 0.34 |
| W933459            |                          | 4.42     | 80       | 2.22     | 932      | <1       | 3.37     | 23       | 2410     | 30       | 0.02     | <5       | 14       | 1460     | 20       | 0.33 |
| W933460            |                          | 0.21     | <10      | 4.56     | 1450     | 1        | 2.33     | 106      | 460      | 3        | 0.16     | <5       | 45       | 127      | <20      | 0.70 |
| W933461            |                          | 3.35     | 60       | 3.18     | 1155     | <1       | 3.19     | 36       | 3400     | 42       | 0.06     | <5       | 19       | 1925     | 20       | 0.42 |
| W933462            |                          | 1.95     | 80       | 2.93     | 1160     | <1       | 4.02     | 28       | 3570     | 36       | 0.32     | <5       | 18       | 1120     | 20       | 0.44 |
| W933463            |                          | 3.22     | 60       | 2.34     | 1145     | <1       | 3.69     | 22       | 3190     | 31       | 0.03     | <5       | 16       | 2150     | 20       | 0.42 |
| W933464            |                          | 4.41     | 60       | 1.61     | 864      | <1       | 3.68     | 17       | 1660     | 35       | 0.02     | <5       | 11       | 1750     | 30       | 0.31 |
| W933465            |                          | 3.98     | 60       | 1.91     | 929      | <1       | 3.80     | 21       | 2020     | 75       | 0.24     | <5       | 13       | 1630     | 20       | 0.34 |
| W933466            |                          | 2.69     | 50       | 2.13     | 959      | <1       | 4.31     | 23       | 2410     | 37       | 0.54     | <5       | 14       | 1245     | 20       | 0.36 |
| W933467            |                          | 2.40     | 30       | 1.62     | 696      | <1       | 3.06     | 21       | 2020     | 188      | 4.76     | <5       | 11       | 642      | <20      | 0.25 |
| W933468            |                          | 4.03     | 70       | 3.22     | 1160     | 1        | 2.89     | 29       | 3880     | 25       | 0.04     | <5       | 22       | 1810     | 20       | 0.48 |
| W933469            |                          | 2.14     | 50       | 2.66     | 1005     | <1       | 4.64     | 28       | 3040     | 18       | 0.03     | <5       | 17       | 1765     | 20       | 0.42 |
| W933470            |                          | 0.05     | 10       | 0.02     | 33       | <1       | 0.03     | 1        | 40       | <2       | <0.01    | <5       | 1        | 20       | <20      | 0.03 |
| W933471            |                          | 1.01     | 50       | 2.47     | 965      | <1       | 5.23     | 30       | 2380     | 18       | 0.82     | <5       | 15       | 846      | 20       | 0.26 |
| W933472            |                          | 1.73     | 20       | 10.75    | 995      | <1       | 1.24     | 924      | 780      | 8        | 0.07     | <5       | 17       | 305      | <20      | 0.20 |
| W933473            |                          | 1.63     | 40       | 3.54     | 1095     | 13       | 4.25     | 55       | 2690     | 26       | 1.06     | <5       | 21       | 573      | <20      | 0.32 |
| W933474            |                          | 1.71     | 40       | 2.37     | 815      | 2        | 4.66     | 34       | 2230     | 66       | 0.46     | <5       | 13       | 887      | 20       | 0.28 |
| W933475            |                          | 2.57     | 60       | 2.95     | 993      | <1       | 3.80     | 27       | 3210     | 31       | 0.03     | <5       | 19       | 1720     | 20       | 0.43 |
| W933476            |                          | 3.79     | 60       | 2.02     | 953      | 1        | 3.57     | 21       | 2190     | 29       | 0.09     | <5       | 14       | 1865     | 30       | 0.36 |





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**CERTIFICATE OF ANALYSIS TM19309119**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W933448            |                                   | 10       | <10      | 220      | <10      | 162      |
| W933449            |                                   | <10      | <10      | 238      | <10      | 165      |
| W933450            |                                   | <10      | <10      | 5        | <10      | 3        |
| W933451            |                                   | <10      | <10      | 100      | <10      | 60       |
| W933452            |                                   | <10      | <10      | 114      | <10      | 92       |
| W933453            |                                   | 10       | <10      | 113      | <10      | 85       |
| W933454            |                                   | 10       | <10      | 96       | <10      | 81       |
| W933455            |                                   | <10      | <10      | 115      | <10      | 87       |
| W933456            |                                   | <10      | <10      | 106      | <10      | 81       |
| W933457            |                                   | <10      | <10      | 117      | <10      | 94       |
| W933458            |                                   | <10      | <10      | 113      | <10      | 99       |
| W933459            |                                   | <10      | <10      | 132      | <10      | 92       |
| W933460            |                                   | <10      | <10      | 319      | <10      | 92       |
| W933461            |                                   | <10      | <10      | 169      | <10      | 109      |
| W933462            |                                   | <10      | <10      | 170      | 10       | 113      |
| W933463            |                                   | <10      | <10      | 167      | <10      | 102      |
| W933464            |                                   | <10      | <10      | 124      | <10      | 83       |
| W933465            |                                   | <10      | <10      | 134      | <10      | 92       |
| W933466            |                                   | <10      | <10      | 130      | <10      | 86       |
| W933467            |                                   | <10      | <10      | 98       | <10      | 63       |
| W933468            |                                   | <10      | <10      | 195      | <10      | 115      |
| W933469            |                                   | <10      | <10      | 146      | <10      | 99       |
| W933470            |                                   | <10      | <10      | 4        | <10      | 3        |
| W933471            |                                   | <10      | <10      | 120      | <10      | 65       |
| W933472            |                                   | <10      | <10      | 133      | <10      | 106      |
| W933473            |                                   | 10       | <10      | 157      | <10      | 74       |
| W933474            |                                   | <10      | <10      | 115      | <10      | 59       |
| W933475            |                                   | <10      | <10      | 167      | <10      | 96       |
| W933476            |                                   | <10      | <10      | 141      | <10      | 94       |



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**CERTIFICATE OF ANALYSIS TM19309119**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
 Au-AA26 ME-ICP61

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.  
 CRU-31 CRU-QC LOG-21 LOG-23  
 PUL-31 PUL-QC SPL-21 WEI-21



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE TM19309119**

Project: Golden Perimeter  
 P.O. No.: GP-280A-30  
 This report is for 69 Drill Core samples submitted to our lab in Timmins, ON, Canada on 5-DEC-2019.  
 The following have access to data associated with this certificate:

|                              |              |              |
|------------------------------|--------------|--------------|
| IAN DUNLOP<br>CONOR MCKINLEY | DARWIN GREEN | NEAL MAGUIRE |
|------------------------------|--------------|--------------|

| SAMPLE PREPARATION |                                 |
|--------------------|---------------------------------|
| ALS CODE           | DESCRIPTION                     |
| WEI-21             | Received Sample Weight          |
| LOG-21             | Sample logging - ClientBarCode  |
| CRU-QC             | Crushing QC Test                |
| PUL-QC             | Pulverizing QC Test             |
| CRU-31             | Fine crushing - 70% <2mm        |
| SPL-21             | Split sample - riffle splitter  |
| PUL-31             | Pulverize up to 250g 85% <75 um |
| LOG-23             | Pulp Login - Rcvd with Barcode  |

| ANALYTICAL PROCEDURES |                               |            |
|-----------------------|-------------------------------|------------|
| ALS CODE              | DESCRIPTION                   | INSTRUMENT |
| ME-ICP61              | 33 element four acid ICP-AES  | ICP-AES    |
| Au-AA26               | Ore Grade Au 50g FA AA finish | AAS        |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:   
 Saa Traxler, General Manager, North Vancouver



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM19309119**

| Sample Description         | Method Analyte Units LOD | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |     |      |
|----------------------------|--------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|------|
|                            |                          | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K % |      |
|                            |                          | 0.01    | 0.5      | 0.01     | 5        | 10       |          |          |          |          |          |          |          |          |          |     |      |
| <b>STANDARDS</b>           |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      |
| CDN-CM-34                  |                          |         | 3.5      | 6.58     | 104      | 510      |          | 1.0      | 4        | 2.13     | 1.1      | 42       | 237      | 5810     | 4.82     | 20  | 2.82 |
| Target Range - Lower Bound |                          |         | 2.5      | 5.88     | 90       | 430      |          | <0.5     | <2       | 1.83     | <0.5     | 37       | 217      | 5370     | 4.26     | <10 | 2.51 |
| Upper Bound                |                          |         | 4.9      | 7.21     | 122      | 610      |          | 2.1      | 8        | 2.25     | 2.0      | 47       | 267      | 6190     | 5.23     | 40  | 3.09 |
| EMOG-17                    |                          |         | 66.9     | 4.62     | 581      | 350      |          | 1.8      | 10       | 1.94     | 19.8     | 752      | 57       | 8300     | 4.89     | 10  | 1.64 |
| Target Range - Lower Bound |                          |         | 60.4     | 4.18     | 517      | 930      |          | 0.7      | <2       | 1.72     | 17.7     | 685      | 49       | 7740     | 4.42     | <10 | 1.49 |
| Upper Bound                |                          |         | 75.0     | 5.13     | 643      | 1290     |          | 2.9      | 10       | 2.12     | 22.7     | 839      | 62       | 8910     | 5.42     | 30  | 1.85 |
| G917-1                     |                          | 48.8    |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      |
| G917-1                     |                          | 49.6    |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      |
| Target Range - Lower Bound |                          | 45.5    |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      |
| Upper Bound                |                          | 51.3    |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      |
| KIP-19                     |                          | 2.46    |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      |
| KIP-19                     |                          | 2.45    |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      |
| Target Range - Lower Bound |                          | 2.27    |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      |
| Upper Bound                |                          | 2.59    |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      |
| MGeo08                     |                          |         | 4.2      | 7.31     | 32       | 1070     |          | 3.1      | <2       | 2.60     | 2.2      | 20       | 86       | 596      | 3.90     | 20  | 3.11 |
| MGeo08                     |                          |         | 4.6      | 7.92     | 35       | 1150     |          | 3.4      | <2       | 2.84     | 2.3      | 21       | 96       | 636      | 4.17     | 20  | 3.31 |
| Target Range - Lower Bound |                          |         | 3.2      | 6.64     | 21       | 920      |          | 2.2      | <2       | 2.35     | 1.1      | 17       | 81       | 586      | 3.55     | <10 | 2.79 |
| Upper Bound                |                          |         | 5.6      | 8.14     | 45       | 1270     |          | 4.5      | 5        | 2.90     | 3.4      | 23       | 102      | 676      | 4.37     | 40  | 3.43 |
| OREAS 602                  |                          |         | >100     | 4.38     | 680      | 110      |          | 0.8      | 60       | 0.65     | 25.2     | 10       | 38       | 5090     | 2.21     | 20  | 0.69 |
| OREAS 602                  |                          |         | >100     | 4.26     | 708      | 140      |          | 0.8      | 57       | 0.65     | 25.8     | 10       | 35       | 5140     | 2.20     | 20  | 0.69 |
| Target Range - Lower Bound |                          |         | 107.5    | 3.92     | 579      | 590      |          | <0.5     | 49       | 0.55     | 21.7     | 7        | 28       | 4790     | 2.01     | <10 | 0.60 |
| Upper Bound                |                          |         | 100.0    | 4.82     | 719      | 830      |          | 1.8      | 65       | 0.69     | 27.7     | 12       | 36       | 5510     | 2.47     | 40  | 0.76 |
| OxP154                     |                          | 15.50   |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      |
| OxP154                     |                          | 15.10   |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      |
| Target Range - Lower Bound |                          | 14.35   |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      |
| Upper Bound                |                          | 16.20   |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      |
| PMP-18                     |                          | 0.31    |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      |
| PMP-18                     |                          | 0.31    |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      |
| Target Range - Lower Bound |                          | 0.28    |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      |
| Upper Bound                |                          | 0.34    |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19309119**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|----------------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                            |                          | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti %     | Tl ppm |
|                            |                          | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01     | 10     |
| <b>STANDARDS</b>           |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| CDN-CM-34                  |                          | 20       | 3.70     | 445      | 285      | 0.76     | 248      | 1240     | 22       | 3.07     | 7        | 16       | 225      | <20      | 0.49     | <10    |
| Target Range - Lower Bound |                          | <10      | 3.29     | 399      | 269      | 0.66     | 220      | 1110     | 19       | 2.70     | <5       | 14       | 204      | <20      | 0.43     | <10    |
| Upper Bound                |                          | 40       | 4.05     | 499      | 331      | 0.83     | 271      | 1370     | 29       | 3.32     | 17       | 19       | 251      | 40       | 0.55     | 20     |
| EMOG-17                    |                          | 20       | 0.99     | 728      | 1060     | 1.10     | 7560     | 820      | 7370     | 3.27     | 795      | 8        | 204      | <20      | 0.31     | <10    |
| Target Range - Lower Bound |                          | <10      | 0.86     | 670      | 996      | 0.99     | 6820     | 700      | 6570     | 2.91     | 638      | 6        | 184      | <20      | 0.28     | <10    |
| Upper Bound                |                          | 40       | 1.08     | 830      | 1220     | 1.23     | 8330     | 880      | 8030     | 3.57     | 874      | 10       | 227      | 50       | 0.36     | 20     |
| G917-1                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| KIP-19                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| MGeo08                     |                          | 30       | 1.28     | 537      | 14       | 1.95     | 687      | 1020     | 1065     | 0.30     | 13       | 11       | 303      | 20       | 0.48     | <10    |
| Target Range - Lower Bound |                          | <10      | 1.17     | 497      | 12       | 1.76     | 621      | 930      | 969      | 0.27     | <5       | 10       | 276      | <20      | 0.44     | <10    |
| Upper Bound                |                          | 60       | 1.45     | 619      | 18       | 2.18     | 761      | 1160     | 1190     | 0.35     | 15       | 15       | 340      | 60       | 0.56     | 20     |
| OREAS 602                  |                          | 10       | 0.20     | 232      | 5        | 0.45     | 64       | 580      | 1055     | 2.15     | 88       | 4        | 445      | <20      | 0.22     | <10    |
| Target Range - Lower Bound |                          | <10      | 0.17     | 198      | 2        | 0.40     | 53       | 500      | 918      | 1.90     | 61       | 2        | 417      | <20      | 0.18     | <10    |
| Upper Bound                |                          | 40       | 0.23     | 253      | 7        | 0.51     | 67       | 640      | 1125     | 2.34     | 97       | 6        | 511      | 50       | 0.24     | 20     |
| OxP154                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| PMP-18                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM19309119**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 U ppm 10 | ME-ICP61 V ppm 1 | ME-ICP61 W ppm 10 | ME-ICP61 Zn ppm 2 |
|----------------------------|--------------------------|-------------------|------------------|-------------------|-------------------|
| <b>STANDARDS</b>           |                          |                   |                  |                   |                   |
| CDN-CM-34                  |                          | <10               | 163              | 30                | 195               |
| Target Range - Lower Bound |                          | <10               | 149              | <10               | 176               |
| Upper Bound                |                          | 20                | 184              | 50                | 219               |
| EMOG-17                    |                          | <10               | 73               | <10               | 7430              |
| Target Range - Lower Bound |                          | <10               | 67               | <10               | 6800              |
| Upper Bound                |                          | 20                | 84               | 20                | 8320              |
| G917-1                     |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| KIP-19                     |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| MGeo08                     |                          | <10               | 105              | <10               | 779               |
| Target Range - Lower Bound |                          | <10               | 114              | <10               | 863               |
| Upper Bound                |                          | <10               | 97               | <10               | 722               |
| OREAS 602                  |                          | 30                | 121              | 30                | 886               |
| Target Range - Lower Bound |                          | <10               | 34               | 10                | 4140              |
| Upper Bound                |                          | <10               | 34               | 10                | 4310              |
| OREAS 602                  |                          | <10               | 29               | <10               | 3770              |
| Target Range - Lower Bound |                          | 20                | 37               | 30                | 4610              |
| Upper Bound                |                          |                   |                  |                   |                   |
| OxP154                     |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| PMP-18                     |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |



ALS Canada Ltd.  
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 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM19309119**

| Method Analyte Units LOD   | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |  |
|----------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| Sample Description         | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K %      |  |
|                            | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       | 0.01     |  |
| <b>BLANKS</b>              |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| BLANK                      | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| BLANK                      | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| BLANK                      | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| BLANK                      | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| BLANK                      |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | 1        | <0.01    | <10      | <0.01    |  |
| BLANK                      |         | <0.5     | 0.01     | <5       | <10      | <0.5     | <2       | 0.01     | <0.5     | <1       | 2        | <1       | 0.01     | <10      | <0.01    |  |
| BLANK                      |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | 1        | <1       | <0.01    | <10      | <0.01    |  |
| Target Range - Lower Bound |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | <1       | <0.01    | <10      | <0.01    |  |
| Upper Bound                |         | 1.0      | 0.02     | 10       | 20       | 1.0      | 4        | 0.02     | 1.0      | 2        | 2        | 2        | 0.02     | 20       | 0.02     |  |
| <b>DUPLICATES</b>          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| ORIGINAL                   | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| DUP                        | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| ORIGINAL                   | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| DUP                        | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| W933295                    | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| DUP                        | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| W933315                    | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| DUP                        | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM19309119**

| Sample Description         | Method Analyte Units LOD | ME-ICP61<br>La<br>ppm | ME-ICP61<br>Mg<br>% | ME-ICP61<br>Mn<br>ppm | ME-ICP61<br>Mo<br>ppm | ME-ICP61<br>Na<br>% | ME-ICP61<br>Ni<br>ppm | ME-ICP61<br>P<br>ppm | ME-ICP61<br>Pb<br>ppm | ME-ICP61<br>S<br>% | ME-ICP61<br>Sb<br>ppm | ME-ICP61<br>Sc<br>ppm | ME-ICP61<br>Sr<br>ppm | ME-ICP61<br>Th<br>ppm | ME-ICP61<br>Ti<br>% | ME-ICP61<br>Tl<br>ppm |
|----------------------------|--------------------------|-----------------------|---------------------|-----------------------|-----------------------|---------------------|-----------------------|----------------------|-----------------------|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|-----------------------|
|                            |                          | 10                    | 0.01                | 5                     | 1                     | 0.01                | 1                     | 10                   | 2                     | 0.01               | 5                     | 1                     | 1                     | 20                    | 0.01                | 10                    |
| <b>BLANKS</b>              |                          |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| BLANK                      |                          |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| BLANK                      |                          |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| BLANK                      |                          |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| BLANK                      |                          |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| Target Range - Lower Bound |                          |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| Upper Bound                |                          |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| BLANK                      |                          | <10                   | <0.01               | <5                    | <1                    | <0.01               | 2                     | <10                  | 2                     | <0.01              | <5                    | <1                    | <1                    | <20                   | <0.01               | <10                   |
| BLANK                      |                          | <10                   | 0.02                | <5                    | <1                    | <0.01               | 3                     | <10                  | <2                    | <0.01              | <5                    | <1                    | 1                     | <20                   | <0.01               | <10                   |
| BLANK                      |                          | <10                   | <0.01               | <5                    | <1                    | <0.01               | <1                    | <10                  | <2                    | <0.01              | <5                    | <1                    | <1                    | <20                   | <0.01               | <10                   |
| Target Range - Lower Bound |                          | <10                   | <0.01               | <5                    | <1                    | <0.01               | <1                    | <10                  | <2                    | <0.01              | <5                    | <1                    | <1                    | <20                   | <0.01               | <10                   |
| Upper Bound                |                          | 20                    | 0.02                | 10                    | 2                     | 0.02                | 2                     | 20                   | 4                     | 0.02               | 10                    | 2                     | 2                     | 40                    | 0.02                | 20                    |
| <b>DUPLICATES</b>          |                          |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| ORIGINAL                   |                          |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| DUP                        |                          |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| Target Range - Lower Bound |                          |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| Upper Bound                |                          |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| ORIGINAL                   |                          |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| DUP                        |                          |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| Target Range - Lower Bound |                          |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| Upper Bound                |                          |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| ORIGINAL                   |                          |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| DUP                        |                          |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| Target Range - Lower Bound |                          |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| Upper Bound                |                          |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| W933295                    |                          |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| DUP                        |                          |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| Target Range - Lower Bound |                          |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| Upper Bound                |                          |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| W933315                    |                          |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| DUP                        |                          |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| Target Range - Lower Bound |                          |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |
| Upper Bound                |                          |                       |                     |                       |                       |                     |                       |                      |                       |                    |                       |                       |                       |                       |                     |                       |





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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| Sample Description         | Method Analyte Units LOD | ME-ICP61 U ppm 10 | ME-ICP61 V ppm 1 | ME-ICP61 W ppm 10 | ME-ICP61 Zn ppm 2 |
|----------------------------|--------------------------|-------------------|------------------|-------------------|-------------------|
| <b>BLANKS</b>              |                          |                   |                  |                   |                   |
| BLANK                      |                          |                   |                  |                   |                   |
| BLANK                      |                          |                   |                  |                   |                   |
| BLANK                      |                          |                   |                  |                   |                   |
| BLANK                      |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| Target Range - Lower Bound |                          | <10               | <1               | <10               | <2                |
| Upper Bound                |                          | 20                | 2                | 20                | 4                 |
| <b>DUPLICATES</b>          |                          |                   |                  |                   |                   |
| ORIGINAL                   |                          |                   |                  |                   |                   |
| DUP                        |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| ORIGINAL                   |                          |                   |                  |                   |                   |
| DUP                        |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| ORIGINAL                   |                          |                   |                  |                   |                   |
| DUP                        |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| W933295                    |                          |                   |                  |                   |                   |
| DUP                        |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| W933315                    |                          |                   |                  |                   |                   |
| DUP                        |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |



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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19309119**

| Sample Description         | Method Analyte Units LOD | Au-AA26       | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |     |
|----------------------------|--------------------------|---------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|
|                            |                          | Au ppm        | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K % |
|                            |                          | 0.01          | 0.5      | 0.01     | 5        | 10       |          |          |          |          |          |          |          |          |          |     |
| <b>DUPLICATES</b>          |                          |               |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| W933335<br>DUP             |                          | 0.01<br><0.01 |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Target Range - Lower Bound |                          | <0.01         |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Upper Bound                |                          | 0.02          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| W933341<br>DUP             |                          | <0.5          | 7.01     | <5       | 1700     | 2.2      | <2       | 3.63     | <0.5     | 26       | 251      | 58       | 4.51     | 20       | 2.86     |     |
| Target Range - Lower Bound |                          | <0.5          | 6.79     | <5       | 1650     | 2.1      | <2       | 3.50     | <0.5     | 25       | 243      | 56       | 4.38     | 20       | 2.77     |     |
| Upper Bound                |                          | 1.0           | 7.26     | 10       | 1810     | 2.8      | 4        | 3.75     | 1.0      | 28       | 260      | 60       | 4.68     | 30       | 2.97     |     |
| W933427<br>DUP             |                          | <0.5          | 2.45     | <5       | 20       | 0.6      | <2       | 4.02     | <0.5     | 80       | 1255     | 62       | 5.86     | 10       | 0.08     |     |
| Target Range - Lower Bound |                          | <0.5          | 2.49     | <5       | 20       | 0.6      | <2       | 4.13     | <0.5     | 81       | 1225     | 62       | 5.96     | 10       | 0.08     |     |
| Upper Bound                |                          | 1.0           | 2.60     | 10       | 30       | 1.0      | 4        | 4.29     | 1.0      | 86       | 1305     | 65       | 6.22     | 20       | 0.09     |     |
| W933429<br>DUP             |                          | 0.01<br>0.01  |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Target Range - Lower Bound |                          | <0.01         |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Upper Bound                |                          | 0.02          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| W933463<br>DUP             |                          | <0.5          | 7.51     | <5       | 3240     | 5.8      | 2        | 4.41     | <0.5     | 23       | 36       | 39       | 5.45     | 20       | 3.22     |     |
| Target Range - Lower Bound |                          | <0.5          | 8.05     | <5       | 3370     | 6.1      | <2       | 4.60     | <0.5     | 23       | 38       | 41       | 5.73     | 20       | 3.33     |     |
| Upper Bound                |                          | 1.0           | 8.18     | 10       | 3560     | 6.7      | 4        | 4.74     | 1.0      | 25       | 40       | 42       | 5.88     | 30       | 3.45     |     |
| W933469<br>DUP             |                          | <0.01<br>0.01 |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Target Range - Lower Bound |                          | <0.01         |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Upper Bound                |                          | 0.02          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| ORIGINAL<br>DUP            |                          | 0.06<br>0.09  |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Target Range - Lower Bound |                          | 0.06          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Upper Bound                |                          | 0.09          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |



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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19309119**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|----------------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                            |                          | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti %     | Tl ppm |
|                            |                          | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01     | 10     |
| <b>DUPLICATES</b>          |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W933335<br>DUP             |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W933341<br>DUP             |                          | 30       | 3.60     | 899      | 10       | 3.19     | 83       | 1260     | 40       | 0.22     | <5       | 18       | 716      | <20      | 0.30     | <10    |
| Target Range - Lower Bound |                          | 20       | 3.38     | 833      | 8        | 2.99     | 78       | 1160     | 36       | 0.20     | <5       | 16       | 673      | <20      | 0.27     | <10    |
| Upper Bound                |                          | 40       | 3.75     | 932      | 11       | 3.32     | 88       | 1310     | 45       | 0.24     | 10       | 19       | 745      | 40       | 0.32     | 20     |
| W933427<br>DUP             |                          | <10      | 15.40    | 1115     | 1        | 0.04     | 1420     | 40       | 2        | 0.37     | <5       | 15       | 147      | <20      | 0.04     | 10     |
| Target Range - Lower Bound |                          | <10      | 14.75    | 1065     | <1       | 0.03     | 1360     | 30       | <2       | 0.35     | <5       | 13       | 141      | <20      | 0.03     | <10    |
| Upper Bound                |                          | 20       | 16.30    | 1190     | 2        | 0.05     | 1505     | 50       | 4        | 0.40     | 10       | 17       | 158      | 40       | 0.05     | 20     |
| W933429<br>DUP             |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W933463<br>DUP             |                          | 60       | 2.34     | 1145     | <1       | 3.69     | 22       | 3190     | 31       | 0.03     | <5       | 16       | 2150     | 20       | 0.42     | <10    |
| Target Range - Lower Bound |                          | 50       | 2.29     | 1105     | <1       | 3.57     | 21       | 3080     | 27       | 0.02     | <5       | 15       | 2090     | <20      | 0.39     | <10    |
| Upper Bound                |                          | 80       | 2.55     | 1230     | 2        | 3.96     | 25       | 3430     | 34       | 0.04     | 10       | 19       | 2320     | 40       | 0.46     | 20     |
| W933469<br>DUP             |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| ORIGINAL<br>DUP            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |

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 North Vancouver BC V7H 0A7  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19309119**

| Sample Description                                           | Method Analyte Units LOD | ME-ICP61 U ppm 10       | ME-ICP61 V ppm 1         | ME-ICP61 W ppm 10       | ME-ICP61 Zn ppm 2       |
|--------------------------------------------------------------|--------------------------|-------------------------|--------------------------|-------------------------|-------------------------|
| <b>DUPLICATES</b>                                            |                          |                         |                          |                         |                         |
| W933335<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                         |                          |                         |                         |
| W933341<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | <10<br><10<br><10<br>20 | 142<br>138<br>132<br>148 | <10<br><10<br><10<br>20 | 86<br>84<br>79<br>91    |
| W933427<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | <10<br><10<br><10<br>20 | 97<br>97<br>91<br>103    | <10<br><10<br><10<br>20 | 64<br>66<br>60<br>70    |
| W933429<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                         |                          |                         |                         |
| W933463<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | <10<br><10<br><10<br>20 | 167<br>172<br>160<br>179 | <10<br><10<br><10<br>20 | 102<br>106<br>97<br>111 |
| W933469<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                         |                          |                         |                         |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                          |                         |                         |
|                                                              |                          |                         |                          |                         |                         |

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North Vancouver BC V7H 0A7  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19309119**

### CERTIFICATE COMMENTS

#### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
Au-AA26 ME-ICP61

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.  
CRU-31 CRU-QC LOG-21 LOG-23  
PUL-31 PUL-QC SPL-21 WEI-21



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**CERTIFICATE TM19313172**

Project: Golden Perimeter

This report is for 6 Drill Core samples submitted to our lab in Timmins, ON, Canada on 10-DEC-2019.

The following have access to data associated with this certificate:

|                |              |              |
|----------------|--------------|--------------|
| IAN DUNLOP     | DARWIN GREEN | NEAL MAGUIRE |
| CONOR MCKINLEY |              |              |

| SAMPLE PREPARATION |                               |
|--------------------|-------------------------------|
| ALS CODE           | DESCRIPTION                   |
| FND-02             | Find Sample for Addn Analysis |

| ANALYTICAL PROCEDURES |                                 |            |
|-----------------------|---------------------------------|------------|
| ALS CODE              | DESCRIPTION                     | INSTRUMENT |
| ME-XRF26              | Whole Rock By Fusion/XRF        | XRF        |
| OA-GRA05x             | LOI for XRF                     | WST-SEQ    |
| ME-MS42               | Up to 34 elements by ICP-MS     | ICP-MS     |
| S-IR08                | Total Sulphur (IR Spectroscopy) | LECO       |
| C-IR07                | Total Carbon (IR Spectroscopy)  | LECO       |
| ME-MS81               | Lithium Borate Fusion ICP-MS    | ICP-MS     |
| ME-4ACD81             | Base Metals by 4-acid dig.      | ICP-AES    |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

Signature:   
 Saa Traxler, General Manager, North Vancouver



ALS Canada Ltd.  
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 North Vancouver BC V7H 0A7  
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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19313172**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-XRF26   | ME-XRF26 | ME-XRF26 | ME-XRF26   | ME-XRF26   | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26  | ME-XRF26  | ME-XRF26  | ME-XRF26 | ME-XRF26  | ME-XRF26                   | ME-XRF26   |
|--------------------|-----------------------------------|------------|----------|----------|------------|------------|----------|----------|----------|-----------|-----------|-----------|----------|-----------|----------------------------|------------|
|                    |                                   | Al2O3<br>% | BaO<br>% | CaO<br>% | Cr2O3<br>% | Fe2O3<br>% | K2O<br>% | MgO<br>% | MnO<br>% | Na2O<br>% | P2O5<br>% | SiO2<br>% | SrO<br>% | TiO2<br>% | OA-GRA05x<br>LOI 1000<br>% | Total<br>% |
|                    |                                   | 0.01       | 0.01     | 0.01     | 0.01       | 0.01       | 0.01     | 0.01     | 0.01     | 0.01      | 0.01      | 0.01      | 0.01     | 0.01      | 0.01                       | 0.01       |
| W933412            |                                   | 7.87       | 0.02     | 7.21     | 0.42       | 12.51      | 0.59     | 23.3     | 0.13     | 0.24      | 0.04      | 36.42     | 0.02     | 0.43      | 10.77                      | 100.90     |
| W933426            |                                   | 12.36      | 0.26     | 5.67     | 0.05       | 8.81       | 2.73     | 8.58     | 0.14     | 4.74      | 0.67      | 47.34     | 0.06     | 0.74      | 6.48                       | 103.00     |
| W933444            |                                   | 15.61      | 0.22     | 5.55     | 0.01       | 6.82       | 2.10     | 4.52     | 0.13     | 6.00      | 0.39      | 50.14     | 0.05     | 0.58      | 7.80                       | 100.60     |
| W933448            |                                   | 10.55      | 0.15     | 8.51     | 0.18       | 9.70       | 1.73     | 12.80    | 0.19     | 1.22      | 0.22      | 37.71     | 0.04     | 0.55      | 16.04                      | 99.94      |
| W933455            |                                   | 16.63      | 0.28     | 4.64     | 0.01       | 5.81       | 1.98     | 3.42     | 0.11     | 6.45      | 0.47      | 57.67     | 0.21     | 0.58      | 1.06                       | 99.43      |
| W933468            |                                   | 13.75      | 0.32     | 6.82     | 0.01       | 9.12       | 4.61     | 5.30     | 0.15     | 3.78      | 0.86      | 52.95     | 0.19     | 0.79      | 1.23                       | 100.10     |

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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**CERTIFICATE OF ANALYSIS TM19313172**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |     |
|--------------------|-----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----|
|                    |                                   | Ba      | Ce      | Cr      | Cs      | Dy      | Er      | Eu      | Ga      | Gd      | Ge      | Hf      | Ho      | La      | Lu      | Nb  |
|                    |                                   | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm |
|                    |                                   | 0.5     | 0.1     | 10      | 0.01    | 0.05    | 0.03    | 0.03    | 0.1     | 0.05    | 5       | 0.2     | 0.01    | 0.1     | 0.01    | 0.2 |
| W933412            |                                   | 32.9    | 2.1     | 3070    | 7.09    | 1.66    | 1.08    | 0.29    | 9.9     | 1.29    | <5      | 0.6     | 0.36    | 0.7     | 0.11    | 0.5 |
| W933426            |                                   | 2620    | 149.0   | 430     | 6.21    | 6.56    | 2.49    | 3.99    | 21.0    | 12.80   | <5      | 5.6     | 1.00    | 68.2    | 0.27    | 7.1 |
| W933444            |                                   | 2100    | 98.9    | 110     | 0.95    | 3.45    | 1.61    | 2.01    | 22.1    | 5.79    | <5      | 4.0     | 0.60    | 48.3    | 0.18    | 6.0 |
| W933448            |                                   | 1315    | 56.8    | 1280    | 2.11    | 2.87    | 1.49    | 1.17    | 23.8    | 4.29    | <5      | 2.3     | 0.55    | 27.6    | 0.16    | 3.3 |
| W933455            |                                   | 2660    | 139.5   | 60      | 0.86    | 3.97    | 1.95    | 2.52    | 24.6    | 7.04    | <5      | 5.3     | 0.66    | 68.2    | 0.20    | 7.5 |
| W933468            |                                   | 3090    | 186.0   | 60      | 2.14    | 7.42    | 2.82    | 4.74    | 22.5    | 14.65   | <5      | 6.5     | 1.15    | 86.1    | 0.28    | 8.9 |

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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| <b>CERTIFICATE OF ANALYSIS TM19313172</b> |
|-------------------------------------------|

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81<br>Nd<br>ppm<br>0.1 | ME-MS81<br>Pr<br>ppm<br>0.03 | ME-MS81<br>Rb<br>ppm<br>0.2 | ME-MS81<br>Sm<br>ppm<br>0.03 | ME-MS81<br>Sn<br>ppm<br>1 | ME-MS81<br>Sr<br>ppm<br>0.1 | ME-MS81<br>Ta<br>ppm<br>0.1 | ME-MS81<br>Tb<br>ppm<br>0.01 | ME-MS81<br>Th<br>ppm<br>0.05 | ME-MS81<br>Tm<br>ppm<br>0.01 | ME-MS81<br>U<br>ppm<br>0.05 | ME-MS81<br>V<br>ppm<br>5 | ME-MS81<br>W<br>ppm<br>1 | ME-MS81<br>Y<br>ppm<br>0.1 | ME-MS81<br>Yb<br>ppm<br>0.03 |
|--------------------|-----------------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|---------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|--------------------------|--------------------------|----------------------------|------------------------------|
| W933412            |                                   | 2.2                         | 0.37                         | 43.5                        | 0.79                         | <1                        | 157.0                       | 1.1                         | 0.23                         | 0.09                         | 0.14                         | <0.05                       | 148                      | 1                        | 8.7                        | 1.04                         |
| W933426            |                                   | 85.2                        | 19.60                        | 110.0                       | 17.30                        | 2                         | 596                         | 1.3                         | 1.39                         | 12.80                        | 0.30                         | 4.65                        | 191                      | 2                        | 28.3                       | 2.04                         |
| W933444            |                                   | 46.6                        | 12.15                        | 49.2                        | 7.74                         | 1                         | 443                         | 1.1                         | 0.62                         | 7.89                         | 0.19                         | 2.28                        | 156                      | 4                        | 17.0                       | 1.36                         |
| W933448            |                                   | 28.6                        | 7.04                         | 59.6                        | 4.83                         | 1                         | 306                         | 0.6                         | 0.49                         | 4.50                         | 0.15                         | 1.33                        | 240                      | 6                        | 14.5                       | 1.32                         |
| W933455            |                                   | 64.9                        | 16.80                        | 37.5                        | 10.85                        | 2                         | 1950                        | 1.1                         | 0.86                         | 11.75                        | 0.21                         | 4.58                        | 119                      | 1                        | 18.6                       | 1.67                         |
| W933468            |                                   | 102.0                       | 24.2                         | 96.8                        | 19.85                        | 3                         | 1845                        | 0.7                         | 1.57                         | 13.85                        | 0.33                         | 4.73                        | 207                      | 1                        | 31.9                       | 2.22                         |

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
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 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19313172**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81   | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-MS42   | ME-MS42   | ME-MS42   | ME-MS42   |
|--------------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                    |                                   | Zr<br>ppm | Ag<br>ppm | Cd<br>ppm | Co<br>ppm | Cu<br>ppm | Li<br>ppm | Mo<br>ppm | Ni<br>ppm | Pb<br>ppm | Sc<br>ppm | Zn<br>ppm | As<br>ppm | Bi<br>ppm | Hg<br>ppm | In<br>ppm |
|                    |                                   | 2         | 0.5       | 0.5       | 1         | 1         | 10        | 1         | 1         | 2         | 1         | 2         | 0.1       | 0.01      | 0.005     | 0.005     |
| W933412            |                                   | 23        | <0.5      | 0.6       | 98        | 44        | 20        | <1        | 942       | 2         | 27        | 73        | 6.8       | 0.18      | <0.005    | 0.012     |
| W933426            |                                   | 208       | <0.5      | <0.5      | 34        | 99        | 20        | 1         | 226       | 19        | 21        | 97        | 0.8       | 0.16      | <0.005    | 0.017     |
| W933444            |                                   | 147       | <0.5      | <0.5      | 21        | 21        | 10        | <1        | 24        | 11        | 14        | 78        | 0.4       | 0.22      | <0.005    | 0.030     |
| W933448            |                                   | 85        | <0.5      | 0.5       | 52        | 14        | 40        | <1        | 407       | 8         | 25        | 159       | 0.3       | 0.04      | <0.005    | 0.042     |
| W933455            |                                   | 191       | <0.5      | <0.5      | 16        | 35        | 10        | 1         | 18        | 21        | 11        | 81        | 0.5       | 0.06      | <0.005    | 0.013     |
| W933468            |                                   | 235       | <0.5      | <0.5      | 29        | 46        | 20        | 1         | 27        | 22        | 22        | 104       | 0.7       | 0.06      | <0.005    | 0.015     |

Comments: ME-XRF26: High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total). The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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**VANCOUVER BC V6C 2V6**

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Project: Golden Perimeter

|                                           |
|-------------------------------------------|
| <b>CERTIFICATE OF ANALYSIS TM19313172</b> |
|-------------------------------------------|

| Sample Description | Method Analyte Units LOD | ME-MS42<br>Re<br>ppm<br>0.001 | ME-MS42<br>Sb<br>ppm<br>0.05 | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02 | S-IR08<br>S<br>%<br>0.01 | C-IR07<br>C<br>%<br>0.01 |
|--------------------|--------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------|--------------------------|
| W933412            |                          | 0.001                         | <0.05                        | 4.6                         | 0.5                         | 0.08                         | 0.38                         | 0.28                     | 1.43                     |
| W933426            |                          | <0.001                        | <0.05                        | 7.5                         | 1.5                         | 0.03                         | 0.79                         | 1.61                     | 1.43                     |
| W933444            |                          | <0.001                        | <0.05                        | 11.6                        | 0.2                         | 0.04                         | 0.04                         | 0.22                     | 2.00                     |
| W933448            |                          | <0.001                        | <0.05                        | 21.7                        | 0.2                         | 0.03                         | 0.08                         | 0.06                     | 3.44                     |
| W933455            |                          | <0.001                        | <0.05                        | 2.1                         | <0.2                        | 0.01                         | 0.10                         | 0.01                     | 0.15                     |
| W933468            |                          | <0.001                        | <0.05                        | 2.7                         | 0.2                         | <0.01                        | 0.37                         | 0.04                     | 0.16                     |

Comments: ME-XRF26: High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total). The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

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North Vancouver BC V7H 0A7  
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**CERTIFICATE OF ANALYSIS TM19313172**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

|                    |                                                                                        |          |           |         |
|--------------------|----------------------------------------------------------------------------------------|----------|-----------|---------|
| Applies to Method: | Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. |          |           |         |
|                    | C-IR07                                                                                 | FND-02   | ME-4ACD81 | ME-MS42 |
|                    | ME-MS81                                                                                | ME-XRF26 | OA-GRA05x | S-IR08  |



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 North Vancouver BC V7H 0A7  
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**QC CERTIFICATE TM19313172**

Project: Golden Perimeter

This report is for 6 Drill Core samples submitted to our lab in Timmins, ON, Canada on 10-DEC-2019.

The following have access to data associated with this certificate:

|                |              |              |
|----------------|--------------|--------------|
| IAN DUNLOP     | DARWIN GREEN | NEAL MAGUIRE |
| CONOR MCKINLEY |              |              |

| SAMPLE PREPARATION |                               |
|--------------------|-------------------------------|
| ALS CODE           | DESCRIPTION                   |
| FND-02             | Find Sample for Addn Analysis |

| ANALYTICAL PROCEDURES |                                 |            |
|-----------------------|---------------------------------|------------|
| ALS CODE              | DESCRIPTION                     | INSTRUMENT |
| ME-XRF26              | Whole Rock By Fusion/XRF        | XRF        |
| OA-GRA05x             | LOI for XRF                     | WST-SEQ    |
| ME-MS42               | Up to 34 elements by ICP-MS     | ICP-MS     |
| S-IR08                | Total Sulphur (IR Spectroscopy) | LECO       |
| C-IR07                | Total Carbon (IR Spectroscopy)  | LECO       |
| ME-MS81               | Lithium Borate Fusion ICP-MS    | ICP-MS     |
| ME-4ACD81             | Base Metals by 4-acid dig.      | ICP-AES    |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

**Signature:**   
 Saa Traxler, General Manager, North Vancouver



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM19313172**

| Sample Description         | Method Analyte Units LOD | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26   | ME-XRF26 |
|----------------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------------|----------|
|                            |                          | Al2O3 %  | BaO %    | CaO %    | Cr2O3 %  | Fe2O3 %  | K2O %    | MgO %    | MnO %    | Na2O %   | P2O5 %   | SiO2 %   | SrO %    | TiO2 %   | LOI 1000 % | Total %  |
| <b>STANDARDS</b>           |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| AMIS0304                   |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| AMIS0461                   |                          |          |          |          |          |          |          |          |          |          |          |          |          |          | 38.38      |          |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          | 36.66      |          |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          | 40.54      |          |
| DS-1                       |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| GS313-8                    |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| MRGeo08                    |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| MRGeo08                    |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| OREAS 218                  |                          | 13.46    | 0.02     | 10.05    | 0.03     | 12.04    | 0.23     | 7.25     | 0.19     | 2.94     | 0.10     | 48.72    | 0.02     | 1.12     |            | 96.70    |
| Target Range - Lower Bound |                          | 13.04    | <0.01    | 9.73     | <0.01    | 11.63    | 0.20     | 6.81     | 0.16     | 2.75     | 0.07     | 48.02    | <0.01    | 1.04     |            | <0.01    |
| Upper Bound                |                          | 13.96    | 0.04     | 10.45    | 0.05     | 12.47    | 0.26     | 7.39     | 0.22     | 3.05     | 0.13     | 50.38    | 0.03     | 1.20     |            | 0.02     |
| OREAS 220                  |                          | 13.63    | 0.03     | 9.63     | 0.04     | 11.34    | 0.47     | 6.99     | 0.17     | 2.75     | 0.18     | 49.77    | 0.03     | 1.28     |            | 96.83    |
| Target Range - Lower Bound |                          | 13.12    | <0.01    | 9.28     | 0.02     | 11.00    | 0.42     | 6.92     | 0.14     | 2.60     | 0.15     | 49.10    | <0.01    | 1.19     |            | <0.01    |
| Upper Bound                |                          | 14.04    | 0.05     | 10.00    | 0.06     | 11.80    | 0.51     | 7.50     | 0.20     | 2.90     | 0.21     | 51.50    | 0.05     | 1.37     |            | 0.02     |
| OREAS 501b                 |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| OREAS 602                  |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| OREAS-101b                 |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| SCH-1                      |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            | 2.72     |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            | 2.58     |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            | 2.88     |

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

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ALS Canada Ltd.  
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 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313172**

| Sample Description         | Method  | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |       |
|----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|
|                            | Analyte | Ba      | Ce      | Cr      | Cs      | Dy      | Er      | Eu      | Ga      | Gd      | Ge      | Hf      | Ho      | La      | Lu      | Nb    |
| Units                      |         | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm   |
| LOD                        |         | 0.5     | 0.1     | 10      | 0.01    | 0.05    | 0.03    | 0.03    | 0.1     | 0.05    | 5       | 0.2     | 0.01    | 0.1     | 0.01    | 0.2   |
| <b>STANDARDS</b>           |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| AMIS0304                   |         | 2580    | 8760    | 90      | 0.36    | 142.0   | 35.6    | 155.5   | 46.1    | 361     | 6       | 27.9    | 18.60   | 3550    | 1.91    | >2500 |
| Target Range - Lower Bound |         | 2340    | 7280    | 70      | 0.35    | 119.0   | 30.6    | 135.0   | 47.8    | 309     | <5      | 25.0    | 16.20   | 3250    | 1.84    | 4670  |
| Upper Bound                |         | 2860    | 8900    | 120     | 0.45    | 145.5   | 37.4    | 165.0   | 58.7    | 377     | 18      | 31.0    | 19.80   | 3970    | 2.27    | >2500 |
| AMIS0461                   |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| DS-1                       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| GS313-8                    |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| MRGeo08                    |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| MRGeo08                    |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| OREAS 218                  |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| OREAS 220                  |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| OREAS 501b                 |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| OREAS 602                  |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| OREAS-101b                 |         | 188.5   | 1435    | 30      | 2.58    | 33.5    | 19.60   | 8.06    | 28.4    | 36.6    | <5      | 11.1    | 6.42    | 822     | 2.47    | 60.1  |
| Target Range - Lower Bound |         |         | 1200    |         |         | 28.8    | 16.80   | 6.96    |         | 32.4    |         |         | 5.70    | 710     | 2.31    |       |
| Upper Bound                |         |         | 1465    |         |         | 35.4    | 20.6    | 8.58    |         | 39.7    |         |         | 6.98    | 868     | 2.85    |       |
| SCH-1                      |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313172**

| Sample Description         | Method Analyte Units LOD | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |        |
|----------------------------|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
|                            |                          | Nd ppm  | Pr ppm  | Rb ppm  | Sm ppm  | Sn ppm  | Sr ppm  | Ta ppm  | Tb ppm  | Th ppm  | Tm ppm  | U ppm   | V ppm   | W ppm   | Y ppm   | Yb ppm |
| <b>STANDARDS</b>           |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| AMIS0304                   |                          | 4300    | >1000   | 11.0    | 589     | 24      | 3620    | 12.8    | 34.6    | 443     | 3.40    | 24.0    | 360     | 6       | 422     | 17.05  |
| Target Range - Lower Bound |                          | 3610    | 925     | 9.3     | 543     | 22      | 3060    | 11.1    | 30.8    | 406     | 3.14    | 21.6    | 331     | 3       | 369     | 15.25  |
| Upper Bound                |                          | 4410    | >1000   | 11.8    | 664     | 29      | 3740    | 13.8    | 37.7    | 496     | 3.86    | 26.5    | 415     | 7       | 451     | 18.75  |
| AMIS0461                   |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| DS-1                       |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| GS313-8                    |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| MGeo08                     |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| MGeo08                     |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 218                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 220                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 501b                 |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 602                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS-101b                 |                          | 408     | 132.5   | 194.0   | 49.9    | 9       | 22.7    | 3.1     | 5.21    | 36.1    | 2.76    | 395     | 80      | 20      | 180.5   | 18.55  |
| Target Range - Lower Bound |                          | 340     | 114.5   |         | 43.2    |         |         |         | 4.82    | 32.7    | 2.38    | 348     | 66      |         | 160.0   |        |
| Upper Bound                |                          | 416     | 139.5   |         | 52.8    |         |         |         | 5.92    | 40.1    | 2.94    | 426     | 94      |         | 196.0   |        |
| SCH-1                      |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
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 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313172**

| Method Analyte Units LOD   | ME-MS81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 |
|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|---------|---------|
| Sample Description         | Zr ppm  | Ag ppm    | Cd ppm    | Co ppm    | Cu ppm    | Li ppm    | Mo ppm    | Ni ppm    | Pb ppm    | Sc ppm    | Zn ppm    | As ppm  | Bi ppm  | Hg ppm  | In ppm  |
|                            | 2       | 0.5       | 0.5       | 1         | 1         | 10        | 1         | 1         | 2         | 1         | 2         | 0.1     | 0.01    | 0.005   | 0.005   |
| <b>STANDARDS</b>           |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| AMIS0304                   | 1135    |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound | 1005    |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                | 1230    |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| AMIS0461                   |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| DS-1                       |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| GS313-8                    |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| MRGeo08                    |         | 4.3       | 2.3       | 21        | 618       | 30        | 14        | 698       | 1085      | 11        | 788       |         |         |         |         |
| Target Range - Lower Bound |         | 3.2       | 1.1       | 17        | 586       | <10       | 12        | 621       | 969       | 10        | 722       |         |         |         |         |
| Upper Bound                |         | 5.6       | 3.4       | 23        | 676       | 50        | 18        | 761       | 1190      | 15        | 886       |         |         |         |         |
| MRGeo08                    |         |           |           |           |           |           |           |           |           |           |           | 32.8    | 0.65    | 0.054   | 0.153   |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           | 29.6    | 0.58    | 0.045   | 0.137   |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           | 36.4    | 0.73    | 0.077   | 0.179   |
| OREAS 218                  |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| OREAS 220                  |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| OREAS 501b                 |         |           |           |           |           |           |           |           |           |           |           | 19.5    | 1.41    | 0.010   | 0.182   |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           | 16.9    | 1.43    | 0.006   |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           | 20.9    | 1.77    | 0.030   |         |
| OREAS 602                  |         | >100      | 26.7      | 10        | 5210      | 20        | 4         | 61        | 1045      | 4         | 4130      |         |         |         |         |
| Target Range - Lower Bound |         | 107.5     | 21.7      | 7         | 4790      | <10       | 2         | 53        | 918       | 2         | 3770      |         |         |         |         |
| Upper Bound                |         | 100.0     | 27.7      | 12        | 5510      | 40        | 7         | 67        | 1125      | 6         | 4610      |         |         |         |         |
| OREAS-101b                 | 414     |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| SCH-1                      |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313172**

| Sample Description         | Method Analyte Units LOD | ME-MS42<br>Re<br>ppm<br>0.001 | ME-MS42<br>Sb<br>ppm<br>0.05 | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02 | S-IR08<br>S<br>%<br>0.01 | C-IR07<br>C<br>%<br>0.01 |
|----------------------------|--------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------|--------------------------|
| <b>STANDARDS</b>           |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| AMIS0304                   |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| AMIS0461                   |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| DS-1                       |                          |                               |                              |                             |                             |                              | 2.56                         | 3.06                     |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              | 2.51                         | 3.01                     |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              | 2.71                         | 3.25                     |                          |
| GS313-8                    |                          |                               |                              |                             |                             |                              |                              | 0.92                     |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              | 0.90                     |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              | 0.98                     |                          |
| MGeo08                     |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| MGeo08                     |                          | 0.007                         | 3.32                         | 7.4                         | 0.9                         | 0.02                         | 0.84                         |                          |                          |
| Target Range - Lower Bound |                          | 0.006                         | 2.80                         | 6.7                         | 0.6                         | <0.01                        | 0.64                         |                          |                          |
| Upper Bound                |                          | 0.010                         | 3.90                         | 8.4                         | 1.5                         | 0.04                         | 0.92                         |                          |                          |
| OREAS 218                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 220                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 501b                 |                          | 0.002                         | 0.48                         | 6.8                         | 2.8                         | 0.08                         | 0.67                         |                          |                          |
| Target Range - Lower Bound |                          |                               | 0.34                         | 6.3                         | 2.2                         | 0.05                         | 0.57                         |                          |                          |
| Upper Bound                |                          |                               | 0.64                         | 7.9                         | 3.3                         | 0.10                         | 0.81                         |                          |                          |
| OREAS 602                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS-101b                 |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| SCH-1                      |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM19313172**

| Method Analyte Units LOD   | ME-XRF26 Al2O3 % | ME-XRF26 BaO % | ME-XRF26 CaO % | ME-XRF26 Cr2O3 % | ME-XRF26 Fe2O3 % | ME-XRF26 K2O % | ME-XRF26 MgO % | ME-XRF26 MnO % | ME-XRF26 Na2O % | ME-XRF26 P2O5 % | ME-XRF26 SiO2 % | ME-XRF26 SrO % | ME-XRF26 TiO2 % | OA-GRA05x LOI 1000 % | ME-XRF26 Total % |
|----------------------------|------------------|----------------|----------------|------------------|------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------------|------------------|
| Sample Description         | 0.01             | 0.01           | 0.01           | 0.01             | 0.01             | 0.01           | 0.01           | 0.01           | 0.01            | 0.01            | 0.01            | 0.01           | 0.01            | 0.01                 | 0.01             |
| <b>BLANKS</b>              |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      | <0.01            | 0.01           | <0.01          | <0.01            | <0.01            | <0.01          | 0.02           | <0.01          | 0.01            | <0.01           | 99.50           | <0.01          | 0.01            |                      | 99.55            |
| Target Range - Lower Bound | <0.01            | <0.01          | <0.01          | <0.01            | <0.01            | <0.01          | <0.01          | <0.01          | <0.01           | <0.01           | <0.01           | <0.01          | <0.01           |                      | <0.01            |
| Upper Bound                | 0.02             | 0.02           | 0.02           | 0.02             | 0.02             | 0.02           | 0.02           | 0.02           | 0.02            | 0.02            | 0.02            | 0.02           | 0.02            |                      | 0.02             |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | -0.01            |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | <0.01            |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 0.02             |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| <b>DUPLICATES</b>          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| ORIGINAL                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| DUP                        |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| W933448                    | 10.55            | 0.15           | 8.51           | 0.18             | 9.70             | 1.73           | 12.80          | 0.19           | 1.22            | 0.22            | 37.71           | 0.04           | 0.55            | 16.04                | 99.94            |
| DUP                        | 10.54            | 0.14           | 8.51           | 0.17             | 9.69             | 1.72           | 12.85          | 0.19           | 1.22            | 0.22            | 37.76           | 0.04           | 0.55            | 15.92                | 99.98            |
| Target Range - Lower Bound | 10.38            | 0.13           | 8.37           | 0.16             | 9.54             | 1.67           | 12.60          | 0.18           | 1.18            | 0.20            | 37.16           | 0.03           | 0.53            | 15.57                | 98.95            |
| Upper Bound                | 10.71            | 0.16           | 8.65           | 0.19             | 9.85             | 1.78           | 13.05          | 0.20           | 1.26            | 0.24            | 38.31           | 0.05           | 0.57            | 16.39                | 100.95           |
| W933455                    |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| DUP                        |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |

Comments: ME-XRF26: High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total). The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Finalized Date: 30-DEC-2019  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313172**

| Method Analyte Units LOD   | ME-MS81 Ba ppm | ME-MS81 Ce ppm | ME-MS81 Cr ppm | ME-MS81 Cs ppm | ME-MS81 Dy ppm | ME-MS81 Er ppm | ME-MS81 Eu ppm | ME-MS81 Ga ppm | ME-MS81 Gd ppm | ME-MS81 Ge ppm | ME-MS81 Hf ppm | ME-MS81 Ho ppm | ME-MS81 La ppm | ME-MS81 Lu ppm | ME-MS81 Nb ppm |
|----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Sample Description         | 0.5            | 0.1            | 10             | 0.01           | 0.05           | 0.03           | 0.03           | 0.1            | 0.05           | 5              | 0.2            | 0.01           | 0.1            | 0.01           | 0.2            |
| <b>BLANKS</b>              |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      | 0.5            | <0.1           | <10            | 0.01           | <0.05          | <0.03          | <0.03          | 0.1            | <0.05          | <5             | <0.2           | <0.01          | <0.1           | <0.01          | <0.2           |
| Target Range - Lower Bound | <0.5           | <0.1           | <10            | <0.01          | <0.05          | <0.03          | <0.03          | <0.1           | <0.05          |                | <0.2           | <0.01          | <0.1           | <0.01          | <0.2           |
| Upper Bound                | 1.0            | 0.2            | 20             | 0.02           | 0.10           | 0.06           | 0.06           | 0.2            | 0.10           |                | 0.4            | 0.02           | 0.2            | 0.02           | 0.4            |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| <b>DUPLICATES</b>          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| ORIGINAL                   |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| DUP                        |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| W933448                    |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| DUP                        |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| W933455                    |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| DUP                        |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313172**

| Sample Description         | Method | Analyte | Units | LOD | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |     |     |      |       |
|----------------------------|--------|---------|-------|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----|-----|------|-------|
|                            |        |         |       |     | Nd      | Pr      | Rb      | Sm      | Sn      | Sr      | Ta      | Tb      | Th      | Tm      | U       | V   | W   | Y    | Yb    |
|                            |        |         |       |     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm | ppm | ppm  | ppm   |
|                            |        |         |       |     | 0.1     | 0.03    | 0.2     | 0.03    | 1       | 0.1     | 0.1     | 0.01    | 0.05    | 0.01    | 0.05    | 5   | 1   | 0.1  | 0.03  |
| <b>BLANKS</b>              |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |       |
| BLANK                      |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |       |
| Target Range - Lower Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |       |
| Upper Bound                |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |       |
| BLANK                      |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |       |
| Target Range - Lower Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |       |
| Upper Bound                |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |       |
| BLANK                      |        |         |       |     | <0.1    | <0.03   | <0.2    | <0.03   | <1      | <0.1    | 0.1     | <0.01   | <0.05   | <0.01   | <0.05   | <5  | 1   | <0.1 | <0.03 |
| Target Range - Lower Bound |        |         |       |     | <0.1    | <0.03   | <0.2    | <0.03   | <1      | <0.1    | <0.1    | <0.01   | <0.05   | <0.01   | <0.05   | <5  | <1  | <0.1 | <0.03 |
| Upper Bound                |        |         |       |     | 0.2     | 0.06    | 0.4     | 0.06    | 2       | 0.2     | 0.2     | 0.02    | 0.10    | 0.02    | 0.10    | 10  | 2   | 0.2  | 0.06  |
| BLANK                      |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |       |
| Target Range - Lower Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |       |
| Upper Bound                |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |       |
| BLANK                      |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |       |
| Target Range - Lower Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |       |
| Upper Bound                |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |       |
| <b>DUPLICATES</b>          |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |       |
| ORIGINAL                   |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |       |
| DUP                        |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |       |
| Target Range - Lower Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |       |
| Upper Bound                |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |       |
| W933448                    |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |       |
| DUP                        |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |       |
| Target Range - Lower Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |       |
| Upper Bound                |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |       |
| W933455                    |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |       |
| DUP                        |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |       |
| Target Range - Lower Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |       |
| Upper Bound                |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |       |

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313172**

| Sample Description         | Method Analyte Units LOD | ME-MS81<br>Zr<br>ppm<br>2 | ME-4ACD81<br>Ag<br>ppm<br>0.5 | ME-4ACD81<br>Cd<br>ppm<br>0.5 | ME-4ACD81<br>Co<br>ppm<br>1 | ME-4ACD81<br>Cu<br>ppm<br>1 | ME-4ACD81<br>Li<br>ppm<br>10 | ME-4ACD81<br>Mo<br>ppm<br>1 | ME-4ACD81<br>Ni<br>ppm<br>1 | ME-4ACD81<br>Pb<br>ppm<br>2 | ME-4ACD81<br>Sc<br>ppm<br>1 | ME-4ACD81<br>Zn<br>ppm<br>2 | ME-MS42<br>As<br>ppm<br>0.1 | ME-MS42<br>Bi<br>ppm<br>0.01 | ME-MS42<br>Hg<br>ppm<br>0.005 | ME-MS42<br>In<br>ppm<br>0.005 |
|----------------------------|--------------------------|---------------------------|-------------------------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|
| <b>BLANKS</b>              |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| BLANK                      |                          | <0.5                      | <0.5                          | <1                            | 1                           | <10                         | <1                           | <1                          | <2                          | <1                          | <2                          |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          | <0.5                      | <0.5                          | <1                            | <1                          |                             | <1                           | <1                          | <2                          |                             | <2                          |                             |                             |                              |                               |                               |
| Upper Bound                |                          | 1.0                       | 1.0                           | 2                             | 2                           |                             | 2                            | 2                           | 4                           |                             | 4                           |                             |                             |                              |                               |                               |
| BLANK                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | <0.1                        | <0.01                        | <0.005                        | <0.005                        |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | <0.1                        | <0.01                        | <0.005                        | <0.005                        |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 0.2                         | 0.02                         | 0.010                         | 0.010                         |
| BLANK                      |                          | <2                        |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          | <2                        |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          | 4                         |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| BLANK                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| BLANK                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| BLANK                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| <b>DUPLICATES</b>          |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| ORIGINAL                   |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| DUP                        |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| W933448                    |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 0.3                         | 0.04                         | <0.005                        | 0.042                         |
| DUP                        |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 0.1                         | 0.04                         | <0.005                        | 0.041                         |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | <0.1                        | 0.03                         | <0.005                        | 0.034                         |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 0.3                         | 0.05                         | 0.010                         | 0.049                         |
| W933455                    |                          | <0.5                      | <0.5                          | 16                            | 35                          | 10                          | 1                            | 18                          | 21                          | 11                          | 81                          |                             |                             |                              |                               |                               |
| DUP                        |                          | <0.5                      | <0.5                          | 16                            | 33                          | 10                          | <1                           | 19                          | 24                          | 11                          | 79                          |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          | <0.5                      | <0.5                          | 14                            | 32                          | <10                         | <1                           | 17                          | 19                          | 9                           | 74                          |                             |                             |                              |                               |                               |
| Upper Bound                |                          | 1.0                       | 1.0                           | 18                            | 36                          | 20                          | 2                            | 20                          | 26                          | 13                          | 86                          |                             |                             |                              |                               |                               |

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313172**

| Sample Description         | Method Analyte Units LOD | ME-MS42<br>Re<br>ppm<br>0.001 | ME-MS42<br>Sb<br>ppm<br>0.05 | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02 | S-IR08<br>S<br>%<br>0.01 | C-IR07<br>C<br>%<br>0.01 |
|----------------------------|--------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------|--------------------------|
| <b>BLANKS</b>              |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          | <0.001                        | <0.05                        | <0.1                        | <0.2                        | <0.01                        | <0.02                        |                          |                          |
| Target Range - Lower Bound |                          | <0.001                        | <0.05                        | <0.1                        | <0.2                        | <0.01                        | <0.02                        |                          |                          |
| Upper Bound                |                          | 0.002                         | 0.10                         | 0.2                         | 0.4                         | 0.02                         | 0.04                         |                          |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              | <0.01                    | <0.01                    |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              | <0.01                    | <0.01                    |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              | 0.02                     | 0.02                     |
| <b>DUPLICATES</b>          |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| ORIGINAL                   |                          |                               |                              |                             |                             |                              |                              | 0.59                     | 1.13                     |
| DUP                        |                          |                               |                              |                             |                             |                              |                              | 0.60                     | 1.17                     |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              | 0.57                     | 1.11                     |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              | 0.62                     | 1.19                     |
| W933448                    |                          | <0.001                        | <0.05                        | 21.7                        | 0.2                         | 0.03                         | 0.08                         |                          |                          |
| DUP                        |                          | <0.001                        | <0.05                        | 22.2                        | <0.2                        | 0.02                         | 0.08                         |                          |                          |
| Target Range - Lower Bound |                          | <0.001                        | <0.05                        | 20.8                        | <0.2                        | <0.01                        | 0.05                         |                          |                          |
| Upper Bound                |                          | 0.002                         | 0.10                         | 23.1                        | 0.4                         | 0.04                         | 0.11                         |                          |                          |
| W933455                    |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| DUP                        |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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To: **HIGHGOLD MINING**  
**800 WEST PENDER ST, 320**  
**VANCOUVER BC V6C 2V6**

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 Account: GOLHIGH

Project: Golden Perimeter

|                                   |                   |
|-----------------------------------|-------------------|
| <b>QC CERTIFICATE OF ANALYSIS</b> | <b>TM19313172</b> |
|-----------------------------------|-------------------|

| Method<br>Analyte<br>Units<br>LOD                           | ME-XRF26<br>Al2O3<br>% | ME-XRF26<br>BaO<br>% | ME-XRF26<br>CaO<br>% | ME-XRF26<br>Cr2O3<br>% | ME-XRF26<br>Fe2O3<br>% | ME-XRF26<br>K2O<br>% | ME-XRF26<br>MgO<br>% | ME-XRF26<br>MnO<br>% | ME-XRF26<br>Na2O<br>% | ME-XRF26<br>P2O5<br>% | ME-XRF26<br>SiO2<br>% | ME-XRF26<br>SrO<br>% | ME-XRF26<br>TiO2<br>% | OA-GRA05x<br>LOI 1000<br>% | ME-XRF26<br>Total<br>% |
|-------------------------------------------------------------|------------------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------|-----------------------|-----------------------|----------------------|-----------------------|----------------------------|------------------------|
| Sample Description                                          | 0.01                   | 0.01                 | 0.01                 | 0.01                   | 0.01                   | 0.01                 | 0.01                 | 0.01                 | 0.01                  | 0.01                  | 0.01                  | 0.01                 | 0.01                  | 0.01                       | 0.01                   |
| W933648<br>DUP<br>Target Range - Lower Bound<br>Upper Bound | <b>DUPLICATES</b>      |                      |                      |                        |                        |                      |                      |                      |                       |                       |                       |                      |                       |                            |                        |
|                                                             |                        |                      |                      |                        |                        |                      |                      |                      |                       |                       |                       |                      |                       |                            |                        |

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313172**

| Sample Description         | Method<br>Analyte<br>Units<br>LOD | ME-MS81<br>Ba<br>ppm<br>0.5 | ME-MS81<br>Ce<br>ppm<br>0.1 | ME-MS81<br>Cr<br>ppm<br>10 | ME-MS81<br>Cs<br>ppm<br>0.01 | ME-MS81<br>Dy<br>ppm<br>0.05 | ME-MS81<br>Er<br>ppm<br>0.03 | ME-MS81<br>Eu<br>ppm<br>0.03 | ME-MS81<br>Ga<br>ppm<br>0.1 | ME-MS81<br>Gd<br>ppm<br>0.05 | ME-MS81<br>Ge<br>ppm<br>5 | ME-MS81<br>Hf<br>ppm<br>0.2 | ME-MS81<br>Ho<br>ppm<br>0.01 | ME-MS81<br>La<br>ppm<br>0.1 | ME-MS81<br>Lu<br>ppm<br>0.01 | ME-MS81<br>Nb<br>ppm<br>0.2 |
|----------------------------|-----------------------------------|-----------------------------|-----------------------------|----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|------------------------------|---------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|-----------------------------|
|                            |                                   | <b>DUPLICATES</b>           |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| W933648                    |                                   | 2050                        | 115.0                       | 320                        | 3.04                         | 3.83                         | 1.81                         | 2.17                         | 19.5                        | 6.46                         | <5                        | 4.0                         | 0.65                         | 56.0                        | 0.17                         | 5.0                         |
| DUP                        |                                   | 2140                        | 117.0                       | 340                        | 3.04                         | 3.95                         | 1.91                         | 2.39                         | 20.5                        | 6.79                         | <5                        | 3.9                         | 0.73                         | 56.6                        | 0.21                         | 5.5                         |
| Target Range - Lower Bound |                                   | 1990                        | 110.0                       | 300                        | 2.88                         | 3.65                         | 1.74                         | 2.14                         | 18.9                        | 6.24                         | <5                        | 3.6                         | 0.65                         | 53.4                        | 0.17                         | 4.8                         |
| Upper Bound                |                                   | 2200                        | 122.0                       | 360                        | 3.20                         | 4.13                         | 1.98                         | 2.42                         | 21.1                        | 7.01                         | 10                        | 4.3                         | 0.73                         | 59.2                        | 0.21                         | 5.7                         |

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313172**

| Sample Description         | Method<br>Analyte<br>Units<br>LOD | ME-MS81<br>Nd<br>ppm<br>0.1 | ME-MS81<br>Pr<br>ppm<br>0.03 | ME-MS81<br>Rb<br>ppm<br>0.2 | ME-MS81<br>Sm<br>ppm<br>0.03 | ME-MS81<br>Sn<br>ppm<br>1 | ME-MS81<br>Sr<br>ppm<br>0.1 | ME-MS81<br>Ta<br>ppm<br>0.1 | ME-MS81<br>Tb<br>ppm<br>0.01 | ME-MS81<br>Th<br>ppm<br>0.05 | ME-MS81<br>Tm<br>ppm<br>0.01 | ME-MS81<br>U<br>ppm<br>0.05 | ME-MS81<br>V<br>ppm<br>5 | ME-MS81<br>W<br>ppm<br>1 | ME-MS81<br>Y<br>ppm<br>0.1 | ME-MS81<br>Yb<br>ppm<br>0.03 |
|----------------------------|-----------------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|---------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|--------------------------|--------------------------|----------------------------|------------------------------|
|                            |                                   | <b>DUPLICATES</b>           |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| W933648                    |                                   | 56.1                        | 13.85                        | 73.3                        | 8.90                         | 1                         | 1120                        | 0.8                         | 0.74                         | 8.89                         | 0.21                         | 2.56                        | 162                      | 1                        | 17.9                       | 1.40                         |
| DUP                        |                                   | 56.7                        | 14.10                        | 75.7                        | 9.65                         | 1                         | 1175                        | 0.9                         | 0.74                         | 9.50                         | 0.21                         | 2.68                        | 171                      | 1                        | 18.7                       | 1.44                         |
| Target Range - Lower Bound |                                   | 53.5                        | 13.25                        | 70.6                        | 8.78                         | <1                        | 1090                        | 0.7                         | 0.69                         | 8.69                         | 0.19                         | 2.44                        | 153                      | <1                       | 17.3                       | 1.32                         |
| Upper Bound                |                                   | 59.3                        | 14.70                        | 78.4                        | 9.77                         | 2                         | 1205                        | 1.0                         | 0.79                         | 9.70                         | 0.23                         | 2.80                        | 180                      | 2                        | 19.3                       | 1.52                         |

Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313172**

| Sample Description | Method | Analyte | Units | LOD | ME-MS81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 |
|--------------------|--------|---------|-------|-----|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|---------|---------|
|                    |        | Zr      | Ag    | Cd  | Co      | Cu        | Li        | Mo        | Ni        | Pb        | Sc        | Zn        | As        | Bi        | Hg      | In      |         |         |
|                    |        | ppm     | ppm   | ppm | ppm     | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm     | ppm     | ppm     | ppm     |
|                    |        | 2       | 0.5   | 0.5 | 1       | 1         | 10        | 1         | 1         | 2         | 1         | 2         | 0.1       | 0.01      | 0.005   | 0.005   |         |         |

|                            |                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------------|-------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                            | <b>DUPLICATES</b> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| W933648                    | 136               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DUP                        | 147               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Target Range - Lower Bound | 132               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Upper Bound                | 151               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313172**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS42<br>Re<br>ppm<br>0.001 | ME-MS42<br>Sb<br>ppm<br>0.05 | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02 | S-IR08<br>S<br>%<br>0.01 | C-IR07<br>C<br>%<br>0.01 |
|--------------------|-----------------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------|--------------------------|
|--------------------|-----------------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------|--------------------------|

|                                                             |                   |
|-------------------------------------------------------------|-------------------|
| W933648<br>DUP<br>Target Range - Lower Bound<br>Upper Bound | <b>DUPLICATES</b> |
|-------------------------------------------------------------|-------------------|

|  |  |
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Comments: ME-XRF26:High total was obtained due to sulphides being calculated twice (in the LOI value and retained in the fusion adding to the XRF total).The sulfur-free total calculation is the Total minus SO3. SF-Total less than or equal to 100%.

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ALS Canada Ltd.  
2103 Dollarton Hwy  
North Vancouver BC V7H 0A7  
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313172**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

|                    |                                                                                        |          |           |         |
|--------------------|----------------------------------------------------------------------------------------|----------|-----------|---------|
| Applies to Method: | Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. |          |           |         |
|                    | C-IR07                                                                                 | FND-02   | ME-4ACD81 | ME-MS42 |
|                    | ME-MS81                                                                                | ME-XRF26 | OA-GRA05x | S-IR08  |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**CERTIFICATE TM19309103**

Project: Golden Perimeter  
 P.O. No.: GP-280A-31A  
 This report is for 56 Drill Core samples submitted to our lab in Timmins, ON, Canada on 5-DEC-2019.  
 The following have access to data associated with this certificate:

|                              |              |              |
|------------------------------|--------------|--------------|
| IAN DUNLOP<br>CONOR MCKINLEY | DARWIN GREEN | NEAL MAGUIRE |
|------------------------------|--------------|--------------|

| SAMPLE PREPARATION |                                 |
|--------------------|---------------------------------|
| ALS CODE           | DESCRIPTION                     |
| WEI-21             | Received Sample Weight          |
| LOG-21             | Sample logging - ClientBarCode  |
| CRU-QC             | Crushing QC Test                |
| PUL-QC             | Pulverizing QC Test             |
| CRU-31             | Fine crushing - 70% <2mm        |
| SPL-21             | Split sample - riffle splitter  |
| PUL-31             | Pulverize up to 250g 85% <75 um |
| LOG-23             | Pulp Login - Rcvd with Barcode  |

| ANALYTICAL PROCEDURES |                               |            |
|-----------------------|-------------------------------|------------|
| ALS CODE              | DESCRIPTION                   | INSTRUMENT |
| ME-ICP61              | 33 element four acid ICP-AES  | ICP-AES    |
| Au-AA26               | Ore Grade Au 50g FA AA finish | AAS        |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

**Signature:**   
 Saa Traxler, General Manager, North Vancouver



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19309103**

| Sample Description | Method  | WEI-21    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|---------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    | Analyte | Recvd Wt. | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga       |
| Units              |         | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      |
| LOD                |         | 0.02      | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       |
| W933352            |         | 0.58      | 0.06    | <0.5     | 7.12     | <5       | 2020     | 2.1      | <2       | 4.37     | <0.5     | 16       | 94       | 65       | 3.30     | 20       |
| W933353            |         | 1.00      | 0.01    | <0.5     | 7.96     | <5       | 3070     | 2.1      | <2       | 2.88     | <0.5     | 13       | 48       | 24       | 3.34     | 20       |
| W933354            |         | 0.37      | 0.03    | <0.5     | 7.47     | <5       | 2540     | 1.9      | <2       | 2.55     | <0.5     | 10       | 35       | 50       | 2.85     | 20       |
| W933355            |         | 0.35      | 0.02    | <0.5     | 7.51     | <5       | 2470     | 1.8      | <2       | 2.08     | <0.5     | 11       | 30       | 68       | 2.77     | 20       |
| W933356            |         | 0.27      | 0.13    | <0.5     | 7.32     | <5       | 2360     | 2.0      | <2       | 2.77     | <0.5     | 10       | 28       | 35       | 2.63     | 20       |
| W933357            |         | 0.38      | 0.08    | 0.6      | 6.59     | <5       | 2040     | 2.2      | <2       | 2.61     | <0.5     | 10       | 28       | 36       | 2.66     | 20       |
| W933358            |         | 0.26      | 0.11    | <0.5     | 7.62     | <5       | 1730     | 3.1      | <2       | 2.84     | <0.5     | 10       | 32       | 82       | 2.76     | 20       |
| W933359            |         | 0.49      | 0.42    | 1.9      | 7.40     | <5       | 950      | 2.0      | 8        | 2.87     | <0.5     | 13       | 26       | 34       | 3.06     | 20       |
| W933360            |         | 0.06      | 0.50    | 0.5      | 7.24     | 5        | 160      | <0.5     | <2       | 6.91     | <0.5     | 44       | 164      | 162      | 8.39     | 20       |
| W933361            |         | 0.47      | 0.60    | <0.5     | 7.18     | <5       | 2540     | 2.1      | <2       | 2.30     | <0.5     | 10       | 28       | 55       | 2.66     | 20       |
| W933362            |         | 0.26      | 0.02    | <0.5     | 7.54     | <5       | 2730     | 2.0      | <2       | 2.75     | <0.5     | 11       | 30       | 64       | 2.83     | 20       |
| W933363            |         | 0.44      | 0.01    | <0.5     | 6.78     | <5       | 2190     | 1.9      | <2       | 3.30     | <0.5     | 8        | 27       | 64       | 2.62     | 20       |
| W933364            |         | 0.51      | 0.28    | <0.5     | 7.27     | <5       | 2060     | 1.9      | <2       | 2.73     | <0.5     | 10       | 29       | 60       | 2.69     | 20       |
| W933365            |         | 0.65      | <0.01   | <0.5     | 7.28     | <5       | 2300     | 1.9      | 2        | 2.42     | <0.5     | 11       | 28       | 30       | 2.76     | 20       |
| W933366            |         | 0.45      | <0.01   | <0.5     | 7.44     | <5       | 2340     | 1.9      | <2       | 2.49     | <0.5     | 11       | 30       | 62       | 2.79     | 20       |
| W933367            |         | 0.44      | 0.36    | <0.5     | 7.49     | <5       | 1710     | 1.8      | <2       | 2.05     | <0.5     | 12       | 73       | 48       | 2.99     | 20       |
| W933368            |         | 0.55      | <0.01   | <0.5     | 6.96     | <5       | 1710     | 1.8      | 3        | 4.02     | <0.5     | 19       | 131      | 31       | 3.80     | 20       |
| W933369            |         | 1.01      | <0.01   | <0.5     | 7.03     | <5       | 2390     | 1.8      | <2       | 4.04     | <0.5     | 20       | 158      | 32       | 4.11     | 20       |
| W933370            |         | 0.34      | <0.01   | <0.5     | 1.20     | <5       | 30       | <0.5     | <2       | 0.03     | <0.5     | <1       | 12       | 1        | 0.75     | <10      |
| W933371            |         | 0.39      | 0.03    | <0.5     | 7.17     | <5       | 2120     | 1.7      | 3        | 2.44     | <0.5     | 11       | 34       | 80       | 2.74     | 20       |
| W933372            |         | 0.28      | <0.01   | <0.5     | 7.07     | <5       | 2080     | 1.9      | 2        | 2.32     | <0.5     | 11       | 32       | 87       | 2.93     | 20       |
| W933373            |         | 1.45      | <0.01   | <0.5     | 7.24     | <5       | 2590     | 1.9      | <2       | 2.82     | <0.5     | 12       | 33       | 50       | 3.14     | 20       |
| W933374            |         | 0.43      | 0.01    | <0.5     | 6.90     | <5       | 2150     | 1.9      | <2       | 3.84     | <0.5     | 12       | 43       | 81       | 3.14     | 20       |
| W933375            |         | 0.68      | 0.03    | 4.1      | 7.50     | <5       | 190      | 2.2      | 8        | 0.76     | <0.5     | 13       | 472      | 333      | 4.97     | 30       |
| W933376            |         | 0.30      | 0.01    | <0.5     | 5.24     | <5       | 110      | 1.7      | <2       | 4.96     | <0.5     | 58       | 757      | 20       | 7.93     | 20       |
| W933377            |         | 0.56      | <0.01   | <0.5     | 5.29     | <5       | 90       | 2.1      | <2       | 7.03     | 0.5      | 61       | 915      | 37       | 7.03     | 10       |
| W933378            |         | 0.59      | 0.01    | <0.5     | 6.20     | <5       | 140      | 2.1      | <2       | 5.48     | <0.5     | 43       | 512      | 64       | 5.43     | 20       |
| W933379            |         | 0.32      | <0.01   | <0.5     | 4.23     | <5       | 40       | 0.9      | 2        | 4.37     | <0.5     | 80       | 1270     | 28       | 6.99     | 10       |
| W933380            |         | 0.06      | 0.53    | <0.5     | 6.94     | 5        | 150      | <0.5     | <2       | 6.95     | 0.7      | 43       | 161      | 159      | 8.15     | 20       |
| W933381            |         | 0.58      | <0.01   | <0.5     | 3.03     | <5       | 20       | <0.5     | <2       | 3.65     | 0.8      | 90       | 1485     | 18       | 6.84     | 10       |
| W933382            |         | 0.36      | 0.01    | <0.5     | 3.05     | <5       | 250      | <0.5     | <2       | 6.15     | <0.5     | 76       | 1625     | 43       | 6.46     | 10       |
| W933383            |         | 0.41      | 0.01    | <0.5     | 2.90     | <5       | 280      | <0.5     | <2       | 15.10    | 0.8      | 69       | 1455     | 48       | 5.96     | 10       |
| W933384            |         | 0.40      | 0.01    | <0.5     | 3.85     | <5       | 300      | 0.5      | <2       | 6.57     | 0.5      | 80       | 1715     | 48       | 7.44     | 10       |
| W933385            |         | 0.34      | 0.01    | <0.5     | 7.68     | <5       | 600      | 2.2      | <2       | 2.96     | <0.5     | 23       | 141      | 59       | 4.57     | 20       |
| W933386            |         | 0.82      | 0.01    | <0.5     | 6.49     | <5       | 940      | 2.3      | <2       | 4.08     | 0.6      | 43       | 424      | 243      | 5.79     | 20       |
| W933387            |         | 0.35      | <0.01   | <0.5     | 7.38     | <5       | 3340     | 1.8      | 4        | 4.46     | 0.5      | 24       | 218      | 85       | 4.50     | 20       |
| W933388            |         | 0.60      | <0.01   | <0.5     | 6.84     | <5       | 1620     | 4.2      | 3        | 5.53     | <0.5     | 27       | 107      | 108      | 5.92     | 20       |
| W933389            |         | 0.45      | 0.02    | <0.5     | 7.17     | <5       | 1400     | 3.7      | 2        | 3.67     | <0.5     | 34       | 194      | 169      | 5.61     | 20       |
| W933390            |         | 0.21      | <0.01   | <0.5     | 1.07     | <5       | 20       | <0.5     | <2       | 0.03     | <0.5     | <1       | 15       | 2        | 0.70     | <10      |
| W933391            |         | 0.15      | <0.01   | <0.5     | 7.42     | <5       | 630      | 1.3      | <2       | 3.54     | <0.5     | 32       | 280      | 90       | 5.05     | 20       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 VANCOUVER BC V6C 2V6

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**CERTIFICATE OF ANALYSIS TM19309103**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| W933352            |                          | 2.42     | 50       | 1.81     | 825      | <1       | 3.31     | 27       | 1320     | 25       | 0.82     | <5       | 11       | 528      | <20      | 0.24 |
| W933353            |                          | 2.68     | 50       | 1.63     | 685      | <1       | 3.68     | 19       | 1350     | 46       | 0.16     | <5       | 10       | 1375     | <20      | 0.24 |
| W933354            |                          | 2.87     | 40       | 1.34     | 535      | <1       | 3.36     | 15       | 1180     | 19       | 0.26     | <5       | 8        | 805      | <20      | 0.20 |
| W933355            |                          | 2.91     | 40       | 1.31     | 475      | <1       | 3.19     | 15       | 1110     | 20       | 0.19     | <5       | 8        | 731      | <20      | 0.20 |
| W933356            |                          | 3.34     | 40       | 1.22     | 641      | 172      | 3.09     | 12       | 1100     | 19       | 0.64     | <5       | 7        | 463      | <20      | 0.19 |
| W933357            |                          | 3.02     | 40       | 1.23     | 612      | 363      | 2.98     | 14       | 1100     | 40       | 1.21     | <5       | 7        | 495      | <20      | 0.18 |
| W933358            |                          | 3.34     | 40       | 1.46     | 654      | 81       | 2.56     | 15       | 1290     | 21       | 1.01     | <5       | 8        | 275      | <20      | 0.19 |
| W933359            |                          | 3.04     | 40       | 1.26     | 651      | 1180     | 3.66     | 17       | 1200     | 79       | 1.78     | <5       | 7        | 406      | <20      | 0.15 |
| W933360            |                          | 0.20     | <10      | 4.33     | 1365     | 3        | 2.26     | 100      | 430      | <2       | 0.15     | <5       | 43       | 120      | <20      | 0.67 |
| W933361            |                          | 2.90     | 40       | 1.25     | 519      | 3        | 3.03     | 12       | 1100     | 20       | 0.36     | <5       | 7        | 613      | <20      | 0.19 |
| W933362            |                          | 2.67     | 40       | 1.40     | 593      | 1        | 3.47     | 15       | 1180     | 24       | 0.29     | <5       | 8        | 768      | <20      | 0.21 |
| W933363            |                          | 2.48     | 30       | 1.18     | 690      | <1       | 3.65     | 16       | 1150     | 18       | 0.28     | <5       | 7        | 630      | <20      | 0.20 |
| W933364            |                          | 2.69     | 40       | 1.31     | 628      | 37       | 3.55     | 15       | 1200     | 26       | 0.44     | <5       | 8        | 620      | <20      | 0.20 |
| W933365            |                          | 2.62     | 40       | 1.31     | 524      | 1        | 3.55     | 16       | 1180     | 34       | 0.23     | 5        | 8        | 925      | <20      | 0.20 |
| W933366            |                          | 3.11     | 40       | 1.27     | 518      | <1       | 3.29     | 16       | 1190     | 31       | 0.40     | <5       | 8        | 881      | <20      | 0.20 |
| W933367            |                          | 3.57     | 50       | 1.33     | 351      | 1        | 3.12     | 22       | 1350     | 23       | 0.21     | <5       | 9        | 540      | <20      | 0.21 |
| W933368            |                          | 3.04     | 50       | 2.70     | 755      | <1       | 2.33     | 43       | 1660     | 35       | 0.32     | <5       | 14       | 688      | <20      | 0.23 |
| W933369            |                          | 3.06     | 50       | 2.78     | 824      | 8        | 2.65     | 50       | 1780     | 38       | 0.53     | <5       | 15       | 607      | <20      | 0.23 |
| W933370            |                          | 0.05     | 20       | 0.03     | 28       | <1       | 0.02     | 2        | 80       | <2       | <0.01    | <5       | 1        | 23       | <20      | 0.03 |
| W933371            |                          | 3.18     | 40       | 1.34     | 504      | 53       | 3.15     | 14       | 1250     | 61       | 0.58     | 5        | 8        | 732      | <20      | 0.21 |
| W933372            |                          | 2.67     | 50       | 1.46     | 534      | 40       | 3.39     | 16       | 1350     | 75       | 0.67     | <5       | 9        | 664      | <20      | 0.22 |
| W933373            |                          | 2.91     | 50       | 1.60     | 603      | 5        | 3.39     | 18       | 1420     | 36       | 0.33     | 5        | 9        | 936      | <20      | 0.24 |
| W933374            |                          | 2.44     | 40       | 1.40     | 661      | 3        | 3.56     | 20       | 1470     | 20       | 0.71     | <5       | 10       | 609      | <20      | 0.23 |
| W933375            |                          | 1.38     | 50       | 2.99     | 533      | 27       | 3.82     | 47       | 1930     | 72       | 0.55     | <5       | 13       | 375      | <20      | 0.17 |
| W933376            |                          | 0.39     | 10       | 7.28     | 845      | <1       | 0.41     | 345      | 240      | 5        | 0.03     | 5        | 29       | 179      | <20      | 0.25 |
| W933377            |                          | 0.59     | 10       | 7.37     | 1135     | 3        | 1.00     | 423      | 150      | 4        | 0.06     | <5       | 27       | 245      | <20      | 0.26 |
| W933378            |                          | 0.73     | 30       | 5.42     | 875      | 4        | 2.47     | 304      | 950      | 11       | 0.29     | <5       | 17       | 439      | <20      | 0.23 |
| W933379            |                          | 0.82     | 10       | 14.15    | 1055     | <1       | 0.04     | 1110     | 290      | 3        | 0.04     | <5       | 20       | 150      | <20      | 0.18 |
| W933380            |                          | 0.19     | <10      | 4.26     | 1350     | 1        | 2.18     | 101      | 420      | 2        | 0.15     | 5        | 42       | 124      | <20      | 0.65 |
| W933381            |                          | 0.13     | <10      | 14.95    | 1050     | <1       | 0.01     | 1390     | 80       | <2       | <0.01    | <5       | 19       | 115      | <20      | 0.10 |
| W933382            |                          | 0.49     | <10      | 12.80    | 1335     | <1       | 0.01     | 1100     | 60       | 3        | 0.03     | <5       | 19       | 214      | <20      | 0.16 |
| W933383            |                          | 1.51     | <10      | 8.17     | 1905     | <1       | 0.01     | 912      | 80       | 9        | 0.07     | <5       | 19       | 322      | <20      | 0.17 |
| W933384            |                          | 3.41     | <10      | 10.25    | 1365     | <1       | 0.02     | 889      | 100      | 4        | 0.03     | <5       | 25       | 163      | <20      | 0.22 |
| W933385            |                          | 2.00     | 50       | 3.09     | 686      | <1       | 4.90     | 65       | 1810     | 12       | 0.22     | <5       | 15       | 626      | <20      | 0.39 |
| W933386            |                          | 3.13     | 40       | 6.42     | 1025     | 1        | 2.83     | 299      | 1900     | 16       | 0.39     | <5       | 22       | 448      | <20      | 0.43 |
| W933387            |                          | 2.07     | 40       | 3.55     | 823      | <1       | 4.34     | 67       | 1720     | 19       | 0.31     | 5        | 18       | 836      | <20      | 0.39 |
| W933388            |                          | 3.22     | 50       | 3.46     | 1105     | 1        | 3.36     | 54       | 3990     | 23       | 0.32     | 5        | 24       | 711      | 20       | 0.43 |
| W933389            |                          | 1.83     | 70       | 3.85     | 861      | <1       | 4.40     | 169      | 2350     | 22       | 0.94     | <5       | 16       | 726      | 20       | 0.41 |
| W933390            |                          | 0.06     | 10       | 0.04     | 31       | <1       | 0.02     | 2        | 50       | <2       | <0.01    | <5       | 1        | 29       | <20      | 0.03 |
| W933391            |                          | 3.26     | 40       | 4.70     | 790      | 1        | 3.85     | 116      | 1480     | 8        | 0.16     | 5        | 19       | 489      | <20      | 0.36 |





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 VANCOUVER BC V6C 2V6

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| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W933352            |                                   | <10      | <10      | 98       | <10      | 74       |
| W933353            |                                   | <10      | <10      | 89       | <10      | 75       |
| W933354            |                                   | <10      | <10      | 76       | <10      | 62       |
| W933355            |                                   | <10      | <10      | 75       | <10      | 60       |
| W933356            |                                   | <10      | <10      | 77       | <10      | 44       |
| W933357            |                                   | <10      | <10      | 70       | <10      | 45       |
| W933358            |                                   | <10      | <10      | 106      | <10      | 69       |
| W933359            |                                   | <10      | <10      | 63       | <10      | 44       |
| W933360            |                                   | <10      | <10      | 302      | <10      | 89       |
| W933361            |                                   | <10      | <10      | 78       | <10      | 60       |
| W933362            |                                   | <10      | <10      | 78       | <10      | 68       |
| W933363            |                                   | <10      | <10      | 75       | <10      | 59       |
| W933364            |                                   | <10      | <10      | 77       | <10      | 63       |
| W933365            |                                   | <10      | <10      | 74       | <10      | 65       |
| W933366            |                                   | <10      | <10      | 77       | <10      | 66       |
| W933367            |                                   | <10      | <10      | 85       | <10      | 66       |
| W933368            |                                   | <10      | <10      | 108      | <10      | 92       |
| W933369            |                                   | <10      | <10      | 114      | <10      | 98       |
| W933370            |                                   | <10      | <10      | 4        | <10      | 3        |
| W933371            |                                   | <10      | <10      | 83       | <10      | 65       |
| W933372            |                                   | <10      | <10      | 93       | <10      | 68       |
| W933373            |                                   | <10      | <10      | 87       | <10      | 69       |
| W933374            |                                   | <10      | <10      | 91       | <10      | 60       |
| W933375            |                                   | <10      | <10      | 157      | <10      | 119      |
| W933376            |                                   | <10      | <10      | 202      | <10      | 100      |
| W933377            |                                   | <10      | <10      | 171      | <10      | 87       |
| W933378            |                                   | <10      | <10      | 133      | <10      | 59       |
| W933379            |                                   | <10      | <10      | 162      | <10      | 72       |
| W933380            |                                   | <10      | <10      | 294      | <10      | 87       |
| W933381            |                                   | <10      | <10      | 122      | <10      | 71       |
| W933382            |                                   | <10      | <10      | 115      | <10      | 61       |
| W933383            |                                   | <10      | <10      | 114      | <10      | 56       |
| W933384            |                                   | <10      | <10      | 157      | <10      | 84       |
| W933385            |                                   | <10      | <10      | 130      | <10      | 72       |
| W933386            |                                   | <10      | <10      | 165      | <10      | 99       |
| W933387            |                                   | <10      | <10      | 129      | <10      | 75       |
| W933388            |                                   | <10      | <10      | 185      | <10      | 99       |
| W933389            |                                   | <10      | <10      | 154      | <10      | 88       |
| W933390            |                                   | <10      | <10      | 4        | <10      | 2        |
| W933391            |                                   | <10      | <10      | 153      | <10      | 70       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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| Sample Description | Method Analyte Units LOD | WEI-21       | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|--------------------|--------------------------|--------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Recvd Wt. kg | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm |
|                    |                          | 0.02         | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10     |
| W933392            |                          | 0.59         | <0.01   | <0.5     | 2.93     | <5       | 110      | 1.1      | <2       | 5.75     | 0.7      | 76       | 1390     | 47       | 6.11     | 10     |
| W933393            |                          | 0.33         | 0.01    | <0.5     | 7.47     | <5       | 550      | 2.3      | <2       | 3.16     | <0.5     | 24       | 209      | 81       | 3.69     | 20     |
| W933394            |                          | 0.42         | <0.01   | <0.5     | 7.19     | <5       | 1010     | 2.4      | 3        | 3.87     | <0.5     | 30       | 363      | 46       | 4.71     | 20     |
| W933395            |                          | 0.30         | 0.01    | <0.5     | 6.91     | <5       | 4790     | 4.7      | 3        | 0.97     | <0.5     | 25       | 100      | 166      | 5.90     | 20     |
| W933396            |                          | 0.17         | <0.01   | <0.5     | 1.35     | <5       | 40       | <0.5     | <2       | 4.78     | 0.6      | 81       | 931      | 11       | 4.52     | <10    |
| W933397            |                          | 0.64         | 0.01    | <0.5     | 7.28     | <5       | 4530     | 4.5      | 2        | 0.96     | <0.5     | 25       | 114      | 63       | 5.38     | 20     |
| W933398            |                          | 0.14         | 0.01    | <0.5     | 1.33     | <5       | 160      | <0.5     | 2        | 6.02     | 0.6      | 80       | 931      | 10       | 4.69     | <10    |
| W933399            |                          | 0.28         | <0.01   | <0.5     | 7.37     | <5       | 7470     | 4.3      | 2        | 3.46     | <0.5     | 28       | 52       | 177      | 6.35     | 20     |
| W933400            |                          | 0.02         | 0.53    | <0.5     | 7.21     | 6        | 160      | <0.5     | 2        | 7.19     | 0.9      | 46       | 165      | 164      | 8.46     | 20     |
| W933401            |                          | 0.45         | 0.01    | <0.5     | 6.85     | <5       | 1960     | 3.6      | <2       | 4.45     | <0.5     | 33       | 121      | 107      | 5.91     | 20     |
| W933402            |                          | 0.51         | <0.01   | <0.5     | 1.59     | <5       | 10       | <0.5     | <2       | 3.23     | <0.5     | 86       | 1040     | 22       | 4.79     | 10     |
| W933403            |                          | 0.11         | <0.01   | <0.5     | 7.39     | <5       | 2370     | 3.4      | <2       | 4.66     | <0.5     | 30       | 48       | 42       | 6.08     | 20     |
| W933404            |                          | 0.28         | 0.01    | <0.5     | 5.08     | 8        | 660      | 2.7      | <2       | 3.79     | 0.5      | 74       | 992      | 143      | 6.60     | 10     |
| W933405            |                          | 0.73         | <0.01   | <0.5     | 7.45     | <5       | 2220     | 4.6      | <2       | 3.99     | <0.5     | 24       | 64       | 47       | 4.93     | 20     |
| W933406            |                          | 0.29         | <0.01   | <0.5     | 5.48     | <5       | 660      | 2.8      | <2       | 3.14     | <0.5     | 71       | 907      | 48       | 5.82     | 10     |
| W933407            |                          | 0.23         | 0.01    | <0.5     | 6.05     | <5       | 1800     | 3.6      | <2       | 5.21     | <0.5     | 50       | 518      | 327      | 6.54     | 20     |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
|                    |                          | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01 |
| W933392            |                          | 2.69     | 10       | 12.85    | 1415     | <1       | 0.20     | 1270     | 70       | 5        | 0.05     | <5       | 19       | 100      | <20      | 0.17 |
| W933393            |                          | 2.94     | 30       | 3.33     | 778      | <1       | 4.49     | 92       | 1140     | 16       | 0.05     | <5       | 12       | 702      | <20      | 0.26 |
| W933394            |                          | 2.41     | 40       | 4.50     | 827      | <1       | 4.48     | 187      | 1310     | 17       | 0.30     | 6        | 18       | 625      | <20      | 0.33 |
| W933395            |                          | 3.61     | 50       | 4.31     | 512      | <1       | 3.95     | 45       | 3300     | 49       | 1.03     | <5       | 14       | 700      | 20       | 0.40 |
| W933396            |                          | 0.02     | 10       | 16.15    | 1205     | <1       | 0.02     | 1760     | 40       | 3        | 0.20     | <5       | 10       | 322      | <20      | 0.03 |
| W933397            |                          | 2.83     | 50       | 4.65     | 555      | <1       | 4.41     | 127      | 2730     | 32       | 0.46     | <5       | 13       | 812      | 20       | 0.31 |
| W933398            |                          | 0.01     | <10      | 16.00    | 1185     | <1       | 0.02     | 1820     | 60       | 14       | 0.37     | <5       | 10       | 325      | <20      | 0.02 |
| W933399            |                          | 3.44     | 60       | 4.47     | 1065     | <1       | 3.77     | 48       | 3750     | 22       | 0.39     | 7        | 24       | 873      | 20       | 0.46 |
| W933400            |                          | 0.20     | 10       | 4.39     | 1380     | <1       | 2.27     | 104      | 440      | 2        | 0.15     | <5       | 44       | 129      | <20      | 0.68 |
| W933401            |                          | 2.25     | 50       | 4.31     | 1125     | <1       | 4.00     | 159      | 3370     | 24       | 0.46     | <5       | 21       | 843      | 20       | 0.41 |
| W933402            |                          | 0.14     | <10      | 16.25    | 926      | <1       | 0.02     | 1820     | 40       | <2       | <0.01    | <5       | 11       | 623      | <20      | 0.03 |
| W933403            |                          | 2.57     | 50       | 3.53     | 1060     | <1       | 4.36     | 48       | 3610     | 15       | 0.16     | <5       | 22       | 914      | 20       | 0.45 |
| W933404            |                          | 4.14     | 30       | 11.35    | 1050     | <1       | 0.92     | 1030     | 920      | 12       | 0.47     | <5       | 20       | 317      | <20      | 0.25 |
| W933405            |                          | 1.86     | 60       | 2.72     | 966      | <1       | 4.87     | 45       | 2880     | 30       | 0.21     | <5       | 16       | 1160     | 20       | 0.38 |
| W933406            |                          | 4.55     | 30       | 10.95    | 993      | 1        | 1.33     | 940      | 480      | 9        | 0.14     | <5       | 16       | 312      | <20      | 0.19 |
| W933407            |                          | 3.83     | 40       | 7.51     | 1145     | <1       | 2.31     | 467      | 1670     | 18       | 0.33     | <5       | 22       | 709      | <20      | 0.40 |



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 Account: GOLHIGH

Project: Golden Perimeter

|                                       |
|---------------------------------------|
| CERTIFICATE OF ANALYSIS    TM19309103 |
|---------------------------------------|

| Sample Description | Method Analyte Units LOD | ME-ICP61<br>Ti<br>ppm<br>10 | ME-ICP61<br>U<br>ppm<br>10 | ME-ICP61<br>V<br>ppm<br>1 | ME-ICP61<br>W<br>ppm<br>10 | ME-ICP61<br>Zn<br>ppm<br>2 |
|--------------------|--------------------------|-----------------------------|----------------------------|---------------------------|----------------------------|----------------------------|
| W933392            |                          | <10                         | <10                        | 114                       | <10                        | 64                         |
| W933393            |                          | <10                         | <10                        | 120                       | <10                        | 52                         |
| W933394            |                          | <10                         | <10                        | 138                       | <10                        | 79                         |
| W933395            |                          | <10                         | <10                        | 185                       | <10                        | 97                         |
| W933396            |                          | <10                         | <10                        | 51                        | <10                        | 58                         |
| W933397            |                          | <10                         | <10                        | 149                       | <10                        | 73                         |
| W933398            |                          | <10                         | <10                        | 56                        | <10                        | 44                         |
| W933399            |                          | <10                         | <10                        | 191                       | <10                        | 109                        |
| W933400            |                          | <10                         | <10                        | 301                       | <10                        | 89                         |
| W933401            |                          | <10                         | <10                        | 174                       | <10                        | 102                        |
| W933402            |                          | <10                         | <10                        | 54                        | <10                        | 78                         |
| W933403            |                          | <10                         | <10                        | 179                       | <10                        | 89                         |
| W933404            |                          | <10                         | <10                        | 148                       | <10                        | 91                         |
| W933405            |                          | <10                         | <10                        | 149                       | <10                        | 93                         |
| W933406            |                          | <10                         | <10                        | 122                       | <10                        | 76                         |
| W933407            |                          | <10                         | <10                        | 193                       | <10                        | 93                         |



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Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19309103**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
Au-AA26 ME-ICP61

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.  
CRU-31 CRU-QC LOG-21 LOG-23  
PUL-31 PUL-QC SPL-21 WEI-21



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**Account: GOLHIGH**

**QC CERTIFICATE TM19309103**

Project: Golden Perimeter  
 P.O. No.: GP-280A-31A  
 This report is for 56 Drill Core samples submitted to our lab in Timmins, ON, Canada on 5-DEC-2019.  
 The following have access to data associated with this certificate:

|                              |              |              |
|------------------------------|--------------|--------------|
| IAN DUNLOP<br>CONOR MCKINLEY | DARWIN GREEN | NEAL MAGUIRE |
|------------------------------|--------------|--------------|

| SAMPLE PREPARATION |                                 |
|--------------------|---------------------------------|
| ALS CODE           | DESCRIPTION                     |
| WEI-21             | Received Sample Weight          |
| LOG-21             | Sample logging - ClientBarCode  |
| CRU-QC             | Crushing QC Test                |
| PUL-QC             | Pulverizing QC Test             |
| CRU-31             | Fine crushing - 70% <2mm        |
| SPL-21             | Split sample - riffle splitter  |
| PUL-31             | Pulverize up to 250g 85% <75 um |
| LOG-23             | Pulp Login - Rcvd with Barcode  |

| ANALYTICAL PROCEDURES |                               |            |
|-----------------------|-------------------------------|------------|
| ALS CODE              | DESCRIPTION                   | INSTRUMENT |
| ME-ICP61              | 33 element four acid ICP-AES  | ICP-AES    |
| Au-AA26               | Ore Grade Au 50g FA AA finish | AAS        |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

**Signature:**   
 Saa Traxler, General Manager, North Vancouver



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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19309103**

| Sample Description         | Method Analyte Units LOD | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |       |
|----------------------------|--------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------|
|                            |                          | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K %   |
|                            |                          | 0.01    | 0.5      | 0.01     | 5        | 10       |          |          |          |          |          |          |          |          |          |       |
| <b>STANDARDS</b>           |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| CDN-CM-34                  |                          |         | 3.7      | 6.81     | 107      | 510      | 1.0      | <2       | 2.19     | 1.0      | 44       | 245      | 5890     | 4.91     | 20       | 2.87  |
| CDN-CM-34                  |                          |         | 3.5      | 6.53     | 102      | 500      | 1.0      | 6        | 2.12     | 0.7      | 43       | 237      | 5830     | 4.75     | 20       | 2.90  |
| Target Range - Lower Bound |                          |         | 2.5      | 5.88     | 90       | 430      | <0.5     | <2       | 1.83     | <0.5     | 37       | 217      | 5370     | 4.26     | <10      | 2.51  |
| Upper Bound                |                          |         | 4.9      | 7.21     | 122      | 610      | 2.1      | 8        | 2.25     | 2.0      | 47       | 267      | 6190     | 5.23     | 40       | 3.09  |
| EMOG-17                    |                          |         | 67.4     | 4.75     | 589      | 340      | 1.8      | 2        | 1.97     | 19.7     | 767      | 59       | 8330     | 4.90     | 10       | 1.69  |
| EMOG-17                    |                          |         | 67.0     | 4.68     | 597      | 150      | 1.8      | 7        | 1.96     | 19.8     | 761      | 56       | 8340     | 4.91     | 10       | 1.71  |
| Target Range - Lower Bound |                          |         | 60.4     | 4.18     | 517      | 930      | 0.7      | <2       | 1.72     | 17.7     | 685      | 49       | 7740     | 4.42     | <10      | 1.49  |
| Upper Bound                |                          |         | 75.0     | 5.13     | 643      | 1290     | 2.9      | 10       | 2.12     | 22.7     | 839      | 62       | 8910     | 5.42     | 30       | 1.85  |
| MRGeo08                    |                          |         | 4.5      | 7.34     | 30       | 1090     | 3.2      | 3        | 2.71     | 2.4      | 20       | 93       | 619      | 3.90     | 20       | 3.22  |
| Target Range - Lower Bound |                          |         | 3.2      | 6.64     | 21       | 920      | 2.2      | <2       | 2.35     | 1.1      | 17       | 81       | 586      | 3.55     | <10      | 2.79  |
| Upper Bound                |                          |         | 5.6      | 8.14     | 45       | 1270     | 4.5      | 5        | 2.90     | 3.4      | 23       | 102      | 676      | 4.37     | 40       | 3.43  |
| OREAS 602                  |                          |         | >100     | 4.31     | 671      | 880      | 0.8      | 62       | 0.63     | 25.3     | 9        | 36       | 4980     | 2.15     | 20       | 0.69  |
| Target Range - Lower Bound |                          |         | 107.5    | 3.92     | 579      | 590      | <0.5     | 49       | 0.55     | 21.7     | 7        | 28       | 4790     | 2.01     | <10      | 0.60  |
| Upper Bound                |                          |         | 100.0    | 4.82     | 719      | 830      | 1.8      | 65       | 0.69     | 27.7     | 12       | 36       | 5510     | 2.47     | 40       | 0.76  |
| OxP154                     |                          | 15.25   |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| OxP154                     |                          | 15.85   |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| Target Range - Lower Bound |                          | 14.35   |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| Upper Bound                |                          | 16.20   |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| PMP-18                     |                          | 0.31    |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| PMP-18                     |                          | 0.31    |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| Target Range - Lower Bound |                          | 0.28    |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| Upper Bound                |                          | 0.34    |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| <b>BLANKS</b>              |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| BLANK                      |                          | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| BLANK                      |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| BLANK                      |                          |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | 1        | <1       | <0.01    | <10      | <0.01 |
| BLANK                      |                          |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | <1       | <0.01    | <10      | <0.01 |
| BLANK                      |                          |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | <1       | <0.01    | <10      | <0.01 |
| Target Range - Lower Bound |                          |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | <1       | <0.01    | <10      | <0.01 |
| Upper Bound                |                          |         | 1.0      | 0.02     | 10       | 20       | 1.0      | 4        | 0.02     | 1.0      | 2        | 2        | 2        | 0.02     | 20       | 0.02  |



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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19309103**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|----------------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                            |                          | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti %     | Tl ppm |
|                            |                          | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01     | 10     |
| <b>STANDARDS</b>           |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| CDN-CM-34                  |                          | 20       | 3.81     | 450      | 294      | 0.78     | 253      | 1260     | 22       | 3.11     | 8        | 16       | 227      | <20      | 0.50     | <10    |
| CDN-CM-34                  |                          | 20       | 3.65     | 440      | 285      | 0.75     | 249      | 1240     | 22       | 3.03     | <5       | 16       | 223      | <20      | 0.51     | <10    |
| Target Range - Lower Bound |                          | <10      | 3.29     | 399      | 269      | 0.66     | 220      | 1110     | 19       | 2.70     | <5       | 14       | 204      | <20      | 0.43     | <10    |
| Upper Bound                |                          | 40       | 4.05     | 499      | 331      | 0.83     | 271      | 1370     | 29       | 3.32     | 17       | 19       | 251      | 40       | 0.55     | 20     |
| EMOG-17                    |                          | 20       | 0.97     | 730      | 1080     | 1.12     | 7630     | 820      | 7220     | 3.26     | 794      | 8        | 205      | <20      | 0.32     | <10    |
| EMOG-17                    |                          | 20       | 0.97     | 736      | 1070     | 1.11     | 7600     | 830      | 7400     | 3.27     | 805      | 8        | 206      | <20      | 0.32     | <10    |
| Target Range - Lower Bound |                          | <10      | 0.86     | 670      | 996      | 0.99     | 6820     | 700      | 6570     | 2.91     | 638      | 6        | 184      | <20      | 0.28     | <10    |
| Upper Bound                |                          | 40       | 1.08     | 830      | 1220     | 1.23     | 8330     | 880      | 8030     | 3.57     | 874      | 10       | 227      | 50       | 0.36     | 20     |
| MRGeo08                    |                          | 30       | 1.33     | 555      | 14       | 1.98     | 707      | 1050     | 1100     | 0.30     | 8        | 11       | 308      | 20       | 0.50     | <10    |
| Target Range - Lower Bound |                          | <10      | 1.17     | 497      | 12       | 1.76     | 621      | 930      | 969      | 0.27     | <5       | 10       | 276      | <20      | 0.44     | <10    |
| Upper Bound                |                          | 60       | 1.45     | 619      | 18       | 2.18     | 761      | 1160     | 1190     | 0.35     | 15       | 15       | 340      | 60       | 0.56     | 20     |
| OREAS 602                  |                          | 10       | 0.19     | 230      | 4        | 0.44     | 61       | 570      | 1025     | 2.14     | 83       | 4        | 467      | <20      | 0.22     | <10    |
| Target Range - Lower Bound |                          | <10      | 0.17     | 198      | 2        | 0.40     | 53       | 500      | 918      | 1.90     | 61       | 2        | 417      | <20      | 0.18     | <10    |
| Upper Bound                |                          | 40       | 0.23     | 253      | 7        | 0.51     | 67       | 640      | 1125     | 2.34     | 97       | 6        | 511      | 50       | 0.24     | 20     |
| OxP154                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| OxP154                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| PMP-18                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| PMP-18                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| <b>BLANKS</b>              |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| BLANK                      |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| BLANK                      |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| BLANK                      |                          | <10      | <0.01    | <5       | <1       | <0.01    | 1        | <10      | <2       | <0.01    | <5       | <1       | <1       | <20      | <0.01    | <10    |
| BLANK                      |                          | <10      | <0.01    | <5       | <1       | <0.01    | <1       | <10      | <2       | <0.01    | <5       | <1       | <1       | <20      | <0.01    | <10    |
| BLANK                      |                          | <10      | <0.01    | <5       | <1       | <0.01    | 1        | <10      | <2       | <0.01    | <5       | <1       | <1       | <20      | <0.01    | <10    |
| Target Range - Lower Bound |                          | <10      | <0.01    | <5       | <1       | <0.01    | <1       | <10      | <2       | <0.01    | <5       | <1       | <1       | <20      | <0.01    | <10    |
| Upper Bound                |                          | 20       | 0.02     | 10       | 2        | 0.02     | 2        | 20       | 4        | 0.02     | 10       | 2        | 2        | 40       | 0.02     | 20     |





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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19309103**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 U ppm | ME-ICP61 V ppm | ME-ICP61 W ppm | ME-ICP61 Zn ppm |
|----------------------------|--------------------------|----------------|----------------|----------------|-----------------|
|                            |                          | 10             | 1              | 10             | 2               |
| <b>STANDARDS</b>           |                          |                |                |                |                 |
| CDN-CM-34                  |                          | <10            | 166            | 20             | 204             |
| CDN-CM-34                  |                          | <10            | 162            | 20             | 189             |
| Target Range - Lower Bound |                          | <10            | 149            | <10            | 176             |
| Upper Bound                |                          | 20             | 184            | 50             | 219             |
| EMOG-17                    |                          | 10             | 72             | <10            | 7440            |
| EMOG-17                    |                          | <10            | 74             | <10            | 7490            |
| Target Range - Lower Bound |                          | <10            | 67             | <10            | 6800            |
| Upper Bound                |                          | 20             | 84             | 20             | 8320            |
| MGeo08                     |                          | <10            | 108            | <10            | 816             |
| Target Range - Lower Bound |                          | <10            | 97             | <10            | 722             |
| Upper Bound                |                          | 30             | 121            | 30             | 886             |
| OREAS 602                  |                          | <10            | 32             | 10             | 4110            |
| Target Range - Lower Bound |                          | <10            | 29             | <10            | 3770            |
| Upper Bound                |                          | 20             | 37             | 30             | 4610            |
| OxP154                     |                          |                |                |                |                 |
| OxP154                     |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| PMP-18                     |                          |                |                |                |                 |
| PMP-18                     |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| <b>BLANKS</b>              |                          |                |                |                |                 |
| BLANK                      |                          |                |                |                |                 |
| BLANK                      |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| BLANK                      |                          | <10            | <1             | <10            | <2              |
| BLANK                      |                          | <10            | <1             | <10            | <2              |
| BLANK                      |                          | <10            | <1             | <10            | 2               |
| Target Range - Lower Bound |                          | <10            | <1             | <10            | <2              |
| Upper Bound                |                          | 20             | 2              | 20             | 4               |



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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19309103**

| Sample Description         | Method Analyte Units LOD | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|----------------------------|--------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                            |                          | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K %  |
|                            |                          | 0.01    | 0.5      | 0.01     | 5        | 10       |          |          |          |          |          |          |          |          |          |      |
| <b>DUPLICATES</b>          |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| ORIGINAL                   |                          |         | 0.9      | 7.84     | 281      | 990      | 1.5      | <2       | 0.11     | <0.5     | 1        | 5        | 17       | 1.14     | 30       | 1.81 |
| DUP                        |                          |         | 0.8      | 7.93     | 282      | 1010     | 1.5      | <2       | 0.11     | <0.5     | 1        | 3        | 16       | 1.15     | 30       | 1.86 |
| Target Range - Lower Bound |                          |         | <0.5     | 7.48     | 262      | 920      | 0.9      | <2       | 0.09     | <0.5     | <1       | 3        | 15       | 1.08     | 20       | 1.73 |
| Upper Bound                |                          |         | 1.0      | 8.29     | 301      | 1090     | 2.1      | 4        | 0.13     | 1.0      | 2        | 5        | 18       | 1.21     | 40       | 1.94 |
| ORIGINAL                   |                          | 0.13    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | 0.13    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 0.11    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.15    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| ORIGINAL                   |                          | <0.5    | 7.10     | <5       | 270      | 0.8      | <2       | 4.40     | <0.5     | 33       | 168      | 136      | 7.31     | 20       | 1.77     |      |
| DUP                        |                          | <0.5    | 6.88     | <5       | 270      | 0.9      | <2       | 4.47     | <0.5     | 34       | 173      | 136      | 7.42     | 20       | 1.75     |      |
| Target Range - Lower Bound |                          | <0.5    | 6.63     | <5       | 240      | <0.5     | <2       | 4.20     | <0.5     | 31       | 161      | 130      | 6.99     | <10      | 1.66     |      |
| Upper Bound                |                          | 1.0     | 7.35     | 10       | 300      | 1.0      | 4        | 4.67     | 1.0      | 36       | 180      | 142      | 7.74     | 30       | 1.86     |      |
| W933353                    |                          | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W933374                    |                          | <0.5    | 6.90     | <5       | 2150     | 1.9      | <2       | 3.84     | <0.5     | 12       | 43       | 81       | 3.14     | 20       | 2.44     |      |
| DUP                        |                          | <0.5    | 6.98     | <5       | 2170     | 1.9      | 4        | 3.86     | <0.5     | 13       | 45       | 81       | 3.18     | 20       | 2.46     |      |
| Target Range - Lower Bound |                          | <0.5    | 6.58     | <5       | 1990     | 1.3      | <2       | 3.65     | <0.5     | 11       | 41       | 77       | 2.99     | <10      | 2.32     |      |
| Upper Bound                |                          | 1.0     | 7.30     | 10       | 2330     | 2.5      | 4        | 4.05     | 1.0      | 14       | 47       | 85       | 3.33     | 30       | 2.58     |      |
| W933387                    |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W933407                    |                          | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| ORIGINAL                   |                          | 0.03    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.04    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |



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 North Vancouver BC V7H 0A7  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19309103**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|----------------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                            |                          | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti %     | Tl ppm |
|                            |                          | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01     | 10     |
| <b>DUPLICATES</b>          |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| ORIGINAL                   |                          | 40       | 6.35     | 216      | 9        | 0.03     | 4        | 110      | 28       | 0.91     | 73       | 1        | 24       | 20       | 0.06     | 10     |
| DUP                        |                          | 50       | 6.44     | 219      | 9        | 0.03     | 3        | 100      | 31       | 0.93     | 74       | 1        | 24       | 20       | 0.06     | 10     |
| Target Range - Lower Bound |                          | 30       | 6.07     | 202      | 8        | 0.02     | 2        | 90       | 26       | 0.86     | 63       | <1       | 22       | <20      | 0.05     | <10    |
| Upper Bound                |                          | 60       | 6.72     | 233      | 10       | 0.04     | 5        | 120      | 33       | 0.98     | 84       | 2        | 26       | 40       | 0.07     | 20     |
| ORIGINAL                   |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| ORIGINAL                   |                          | 10       | 3.12     | 1020     | <1       | 0.65     | 71       | 270      | 3        | 0.96     | <5       | 26       | 69       | <20      | 0.31     | <10    |
| DUP                        |                          | <10      | 3.13     | 1050     | <1       | 0.66     | 77       | 280      | 3        | 0.98     | <5       | 24       | 70       | <20      | 0.31     | <10    |
| Target Range - Lower Bound |                          | <10      | 2.96     | 978      | <1       | 0.61     | 69       | 250      | <2       | 0.91     | <5       | 23       | 65       | <20      | 0.28     | <10    |
| Upper Bound                |                          | 20       | 3.29     | 1090     | 2        | 0.70     | 79       | 300      | 4        | 1.03     | 10       | 27       | 74       | 40       | 0.34     | 20     |
| W933353                    |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W933374                    |                          | 40       | 1.40     | 661      | 3        | 3.56     | 20       | 1470     | 20       | 0.71     | <5       | 10       | 609      | <20      | 0.23     | <10    |
| DUP                        |                          | 40       | 1.41     | 660      | 2        | 3.61     | 21       | 1480     | 20       | 0.71     | 6        | 10       | 618      | <20      | 0.23     | <10    |
| Target Range - Lower Bound |                          | 30       | 1.32     | 622      | <1       | 3.40     | 18       | 1390     | 17       | 0.66     | <5       | 9        | 582      | <20      | 0.21     | <10    |
| Upper Bound                |                          | 50       | 1.49     | 699      | 4        | 3.77     | 23       | 1560     | 23       | 0.76     | 10       | 12       | 645      | 40       | 0.25     | 20     |
| W933387                    |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W933407                    |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| ORIGINAL                   |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |



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 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

|                                              |
|----------------------------------------------|
| <b>QC CERTIFICATE OF ANALYSIS TM19309103</b> |
|----------------------------------------------|

| Sample Description         | Method Analyte Units LOD | ME-ICP61 U ppm | ME-ICP61 V ppm | ME-ICP61 W ppm | ME-ICP61 Zn ppm |
|----------------------------|--------------------------|----------------|----------------|----------------|-----------------|
|                            |                          | 10             | 1              | 10             | 2               |
| <b>DUPLICATES</b>          |                          |                |                |                |                 |
| ORIGINAL                   |                          | 10             | 4              | <10            | 136             |
| DUP                        |                          | 10             | 4              | <10            | 143             |
| Target Range - Lower Bound |                          | <10            | 3              | <10            | 131             |
| Upper Bound                |                          | 20             | 5              | 20             | 148             |
| ORIGINAL                   |                          |                |                |                |                 |
| DUP                        |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| ORIGINAL                   |                          | <10            | 156            | <10            | 84              |
| DUP                        |                          | <10            | 160            | <10            | 85              |
| Target Range - Lower Bound |                          | <10            | 149            | <10            | 78              |
| Upper Bound                |                          | 20             | 167            | 20             | 91              |
| W933353                    |                          |                |                |                |                 |
| DUP                        |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| W933374                    |                          | <10            | 91             | <10            | 60              |
| DUP                        |                          | <10            | 91             | <10            | 60              |
| Target Range - Lower Bound |                          | <10            | 85             | <10            | 55              |
| Upper Bound                |                          | 20             | 97             | 20             | 65              |
| W933387                    |                          |                |                |                |                 |
| DUP                        |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| W933407                    |                          |                |                |                |                 |
| DUP                        |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| ORIGINAL                   |                          |                |                |                |                 |
| DUP                        |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |



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**QC CERTIFICATE OF ANALYSIS TM19309103**

|                    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Sample Description | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga       | K        |
| Method             |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| Analyte            |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| Units              | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | %        |
| LOD                | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       | 0.01     |

|                            |                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------------|-------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                            | <b>DUPLICATES</b> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ORIGINAL                   | 0.01              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DUP                        | 0.01              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Target Range - Lower Bound | <0.01             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Upper Bound                | 0.02              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19309103**

| Sample Description | Method | Analyte | Units | LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |     |     |      |     |
|--------------------|--------|---------|-------|-----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|-----|------|-----|
|                    |        |         |       |     | La       | Mg       | Mn       | Mo       | Na       | Ni       | P        | Pb       | S        | Sb       | Sc       | Sr  | Th  | Ti   | Tl  |
|                    |        |         |       |     | ppm      | %        | ppm      | ppm      | %        | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm | ppm | %    | ppm |
|                    |        |         |       |     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1   | 20  | 0.01 | 10  |

|                                                              |                   |
|--------------------------------------------------------------|-------------------|
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound | <b>DUPLICATES</b> |
|--------------------------------------------------------------|-------------------|

|  |  |
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**QC CERTIFICATE OF ANALYSIS TM19309103**

| Sample Description                                           | Method<br>Analyte<br>Units<br>LOD | ME-ICP61<br>U<br>ppm<br>10 | ME-ICP61<br>V<br>ppm<br>1 | ME-ICP61<br>W<br>ppm<br>10 | ME-ICP61<br>Zn<br>ppm<br>2 |
|--------------------------------------------------------------|-----------------------------------|----------------------------|---------------------------|----------------------------|----------------------------|
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound | <b>DUPLICATES</b>                 |                            |                           |                            |                            |
|                                                              |                                   |                            |                           |                            |                            |



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North Vancouver BC V7H 0A7  
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**QC CERTIFICATE OF ANALYSIS TM19309103**

### CERTIFICATE COMMENTS

#### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
Au-AA26 ME-ICP61

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.  
CRU-31 CRU-QC LOG-21 LOG-23  
PUL-31 PUL-QC SPL-21 WEI-21





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To: **HIGHGOLD MINING**  
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**VANCOUVER BC V6C 2V6**

Page: 1  
 Total # Pages: 2 (A - E)  
 Plus Appendix Pages  
 Finalized Date: 2-JAN-2020  
 Account: GOLHIGH

**CERTIFICATE TM19313259**

Project: Golden Perimeter

This report is for 9 Drill Core samples submitted to our lab in Timmins, ON, Canada on 10-DEC-2019.

The following have access to data associated with this certificate:

|                              |              |              |
|------------------------------|--------------|--------------|
| IAN DUNLOP<br>CONOR MCKINLEY | DARWIN GREEN | NEAL MAGUIRE |
|------------------------------|--------------|--------------|

| SAMPLE PREPARATION |                               |
|--------------------|-------------------------------|
| ALS CODE           | DESCRIPTION                   |
| FND-02             | Find Sample for Addn Analysis |

| ANALYTICAL PROCEDURES |                                 |            |
|-----------------------|---------------------------------|------------|
| ALS CODE              | DESCRIPTION                     | INSTRUMENT |
| ME-XRF26              | Whole Rock By Fusion/XRF        | XRF        |
| OA-GRA05x             | LOI for XRF                     | WST-SEQ    |
| ME-MS42               | Up to 34 elements by ICP-MS     | ICP-MS     |
| S-IR08                | Total Sulphur (IR Spectroscopy) | LECO       |
| C-IR07                | Total Carbon (IR Spectroscopy)  | LECO       |
| ME-MS81               | Lithium Borate Fusion ICP-MS    | ICP-MS     |
| ME-4ACD81             | Base Metals by 4-acid dig.      | ICP-AES    |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

**Signature:**   
 Saa Traxler, General Manager, North Vancouver



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 VANCOUVER BC V6C 2V6

Page: 2 - A  
 Total # Pages: 2 (A - E)  
 Plus Appendix Pages  
 Finalized Date: 2-JAN-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19313259**

| Sample Description | Method  | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26  | ME-XRF26 |
|--------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|
|                    | Analyte | Al2O3    | BaO      | CaO      | Cr2O3    | Fe2O3    | K2O      | MgO      | MnO      | Na2O     | P2O5     | SiO2     | SrO      | TiO2     | OA-GRA05x | Total    |
|                    | Units   | %        | %        | %        | %        | %        | %        | %        | %        | %        | %        | %        | %        | %        | LOI 1000  | %        |
|                    | LOD     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01      | 0.01     |
| W933352            |         | 13.69    | 0.21     | 5.99     | 0.01     | 4.62     | 2.82     | 3.11     | 0.11     | 4.42     | 0.30     | 57.39    | 0.06     | 0.42     | 5.79      | 101.00   |
| W933353            |         | 15.74    | 0.32     | 3.99     | 0.01     | 4.79     | 3.20     | 2.92     | 0.09     | 4.90     | 0.30     | 61.16    | 0.15     | 0.41     | 2.25      | 100.75   |
| W933358            |         | 16.36    | 0.20     | 4.03     | <0.01    | 4.09     | 4.01     | 2.78     | 0.09     | 3.48     | 0.30     | 57.17    | 0.03     | 0.40     | 6.10      | 101.60   |
| W933365            |         | 15.51    | 0.26     | 3.44     | <0.01    | 4.21     | 3.14     | 2.49     | 0.07     | 5.01     | 0.28     | 61.95    | 0.11     | 0.37     | 3.38      | 100.90   |
| W933368            |         | 13.51    | 0.19     | 5.59     | 0.03     | 5.62     | 3.62     | 4.67     | 0.11     | 3.19     | 0.38     | 57.10    | 0.08     | 0.46     | 5.50      | 101.00   |
| W933381            |         | 5.78     | 0.01     | 5.16     | 0.33     | 9.92     | 0.15     | 24.4     | 0.14     | 0.07     | 0.03     | 43.34    | 0.01     | 0.28     | 9.71      | 99.64    |
| W933392            |         | 5.50     | 0.02     | 8.12     | 0.31     | 8.87     | 3.11     | 20.7     | 0.19     | 0.31     | 0.02     | 47.36    | 0.01     | 0.28     | 4.56      | 99.80    |
| W933399            |         | 14.25    | 0.80     | 4.93     | 0.01     | 9.33     | 4.02     | 7.36     | 0.15     | 5.03     | 0.85     | 47.88    | 0.10     | 0.82     | 4.06      | 100.80   |
| W933402            |         | 2.97     | 0.01     | 4.58     | 0.23     | 6.95     | 0.16     | 26.1     | 0.12     | 0.08     | 0.02     | 49.40    | 0.07     | 0.13     | 8.59      | 99.77    |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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 Finalized Date: 2-JAN-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19313259**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |     |
|--------------------|-----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----|
|                    |                                   | Ba      | Ce      | Cr      | Cs      | Dy      | Er      | Eu      | Ga      | Gd      | Ge      | Hf      | Ho      | La      | Lu      | Nb  |
|                    |                                   | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm |
|                    |                                   | 0.5     | 0.1     | 10      | 0.01    | 0.05    | 0.03    | 0.03    | 0.1     | 0.05    | 5       | 0.2     | 0.01    | 0.1     | 0.01    | 0.2 |
| W933352            |                                   | 1950    | 113.5   | 120     | 0.78    | 2.76    | 1.53    | 1.85    | 17.9    | 5.79    | <5      | 4.0     | 0.49    | 56.5    | 0.19    | 5.1 |
| W933353            |                                   | 3010    | 124.0   | 60      | 0.71    | 2.84    | 1.34    | 2.09    | 18.1    | 5.26    | <5      | 4.2     | 0.48    | 63.6    | 0.20    | 5.4 |
| W933358            |                                   | 1690    | 121.5   | 40      | 1.23    | 2.86    | 1.10    | 1.87    | 21.8    | 4.81    | <5      | 4.3     | 0.40    | 61.2    | 0.19    | 4.7 |
| W933365            |                                   | 2310    | 111.5   | 40      | 0.83    | 2.43    | 1.12    | 1.86    | 18.9    | 4.94    | <5      | 3.8     | 0.44    | 57.5    | 0.16    | 5.3 |
| W933368            |                                   | 1685    | 122.5   | 190     | 1.11    | 3.10    | 1.33    | 2.21    | 17.2    | 5.66    | <5      | 3.9     | 0.50    | 59.7    | 0.22    | 5.3 |
| W933381            |                                   | 20.3    | 1.2     | 2420    | 1.25    | 1.13    | 0.66    | 0.15    | 6.7     | 0.64    | <5      | 0.4     | 0.25    | 0.3     | 0.11    | 0.2 |
| W933392            |                                   | 102.0   | 6.2     | 2240    | 11.80   | 1.24    | 0.71    | 0.30    | 8.3     | 1.13    | <5      | 0.5     | 0.24    | 3.5     | 0.08    | 0.9 |
| W933399            |                                   | 7550    | 151.5   | 80      | 10.10   | 6.36    | 2.52    | 4.07    | 19.2    | 12.10   | <5      | 5.5     | 1.05    | 69.2    | 0.27    | 7.8 |
| W933402            |                                   | 18.1    | 3.5     | 1710    | 0.82    | 0.48    | 0.36    | 0.12    | 3.7     | 0.54    | <5      | 0.2     | 0.17    | 3.0     | 0.06    | 0.4 |



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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19313259**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |      |
|--------------------|-----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|
|                    |                                   | Nd      | Pr      | Rb      | Sm      | Sn      | Sr      | Ta      | Tb      | Th      | Tm      | U       | V       | W       | Y       | Yb   |
|                    |                                   | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm  |
|                    |                                   | 0.1     | 0.03    | 0.2     | 0.03    | 1       | 0.1     | 0.1     | 0.01    | 0.05    | 0.01    | 0.05    | 5       | 1       | 0.1     | 0.03 |
| W933352            |                                   | 52.0    | 13.20   | 54.8    | 9.10    | 1       | 514     | 1.0     | 0.64    | 9.92    | 0.21    | 2.98    | 108     | 5       | 14.2    | 1.35 |
| W933353            |                                   | 54.5    | 14.35   | 70.0    | 8.99    | 1       | 1400    | 0.9     | 0.65    | 10.10   | 0.20    | 2.29    | 98      | 1       | 13.9    | 1.27 |
| W933358            |                                   | 53.3    | 14.10   | 109.0   | 8.83    | 1       | 276     | 0.6     | 0.59    | 11.50   | 0.12    | 2.99    | 120     | 6       | 12.9    | 1.11 |
| W933365            |                                   | 48.1    | 12.95   | 57.4    | 8.07    | 1       | 975     | 0.6     | 0.55    | 11.25   | 0.20    | 3.26    | 85      | 1       | 11.9    | 1.09 |
| W933368            |                                   | 53.4    | 14.30   | 60.2    | 8.57    | 1       | 665     | 0.3     | 0.54    | 10.15   | 0.17    | 3.66    | 125     | 7       | 14.1    | 1.26 |
| W933381            |                                   | 1.2     | 0.17    | 7.2     | 0.49    | <1      | 105.0   | 0.1     | 0.14    | 0.06    | 0.10    | <0.05   | 123     | 1       | 5.6     | 0.80 |
| W933392            |                                   | 3.9     | 0.79    | 154.0   | 1.08    | <1      | 90.2    | 0.1     | 0.15    | 0.19    | 0.10    | 0.17    | 117     | 1       | 6.3     | 0.58 |
| W933399            |                                   | 84.5    | 20.1    | 155.5   | 19.00   | 2       | 829     | 0.4     | 1.41    | 11.35   | 0.35    | 4.01    | 225     | 1       | 27.4    | 2.11 |
| W933402            |                                   | 1.7     | 0.39    | 6.9     | 0.31    | <1      | 599     | 0.1     | 0.08    | 0.12    | 0.07    | 0.24    | 120     | 2       | 3.2     | 0.37 |



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 Finalized Date: 2-JAN-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19313259**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 |       |
|--------------------|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|---------|---------|-------|
|                    |                                   | Zr      | Ag        | Cd        | Co        | Cu        | Li        | Mo        | Ni        | Pb        | Sc        | Zn      | As      | Bi      | Hg      | In    |
|                    |                                   | ppm     | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm     | ppm     | ppm     | ppm     | ppm   |
|                    |                                   | 2       | 0.5       | 0.5       | 1         | 1         | 10        | 1         | 1         | 2         | 1         | 2       | 0.1     | 0.01    | 0.005   | 0.005 |
| W933352            |                                   | 145     | <0.5      | <0.5      | 16        | 63        | 20        | <1        | 26        | 26        | 12        | 75      | 0.4     | 0.30    | <0.005  | 0.026 |
| W933353            |                                   | 155     | <0.5      | <0.5      | 15        | 22        | 10        | <1        | 18        | 50        | 9         | 75      | 0.2     | 0.77    | <0.005  | 0.012 |
| W933358            |                                   | 154     | <0.5      | <0.5      | 10        | 79        | 20        | 79        | 16        | 22        | 9         | 69      | 0.2     | 0.85    | <0.005  | 0.011 |
| W933365            |                                   | 148     | <0.5      | <0.5      | 12        | 26        | 10        | <1        | 13        | 33        | 8         | 58      | 0.2     | 0.21    | <0.005  | 0.016 |
| W933368            |                                   | 143     | <0.5      | <0.5      | 20        | 29        | 30        | <1        | 42        | 29        | 13        | 89      | 0.3     | 0.21    | <0.005  | 0.021 |
| W933381            |                                   | 15      | <0.5      | 0.6       | 91        | 22        | 20        | <1        | 1380      | <2        | 20        | 71      | <0.1    | 0.03    | <0.005  | 0.021 |
| W933392            |                                   | 15      | <0.5      | 0.5       | 78        | 44        | 30        | <1        | 1245      | <2        | 19        | 63      | 0.2     | 0.02    | <0.005  | 0.007 |
| W933399            |                                   | 218     | <0.5      | 0.6       | 30        | 169       | 40        | <1        | 47        | 23        | 23        | 108     | 0.6     | 0.25    | <0.005  | 0.050 |
| W933402            |                                   | 8       | <0.5      | <0.5      | 83        | 24        | 10        | <1        | 1715      | <2        | 10        | 74      | <0.1    | 0.01    | <0.005  | 0.010 |



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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19313259**

| Sample Description | Method  | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 | S-IR08 | C-IR07 |
|--------------------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
|                    | Analyte | Re      | Sb      | Sc      | Se      | Te      | Tl      | S      | C      |
| Units              |         | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | %      | %      |
| LOD                |         | 0.001   | 0.05    | 0.1     | 0.2     | 0.01    | 0.02    | 0.01   | 0.01   |
| W933352            |         | <0.001  | <0.05   | 8.0     | 0.3     | 0.03    | 0.05    | 0.73   | 1.31   |
| W933353            |         | <0.001  | <0.05   | 3.4     | <0.2    | <0.01   | 0.09    | 0.14   | 0.39   |
| W933358            |         | 0.038   | <0.05   | 4.1     | 0.2     | 0.17    | 0.06    | 0.96   | 1.56   |
| W933365            |         | 0.001   | <0.05   | 5.1     | <0.2    | <0.01   | 0.11    | 0.21   | 0.68   |
| W933368            |         | 0.002   | <0.05   | 9.3     | 0.5     | <0.01   | 0.11    | 0.27   | 1.11   |
| W933381            |         | <0.001  | <0.05   | 6.8     | <0.2    | 0.01    | 0.06    | 0.01   | 1.12   |
| W933392            |         | <0.001  | <0.05   | 2.8     | 0.2     | 0.01    | 1.46    | 0.06   | 0.56   |
| W933399            |         | <0.001  | <0.05   | 11.9    | 0.3     | <0.01   | 1.33    | 0.35   | 0.77   |
| W933402            |         | <0.001  | <0.05   | 7.6     | 0.2     | <0.01   | 0.06    | 0.01   | 1.02   |



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Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM19313259**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
C-IR07 FND-02 ME-4ACD81  
ME-MS81 ME-XRF26 OA-GRA05x

ME-MS42  
S-IR08



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**QC CERTIFICATE TM19313259**

Project: Golden Perimeter

This report is for 9 Drill Core samples submitted to our lab in Timmins, ON, Canada on 10-DEC-2019.

The following have access to data associated with this certificate:

|                              |              |              |
|------------------------------|--------------|--------------|
| IAN DUNLOP<br>CONOR MCKINLEY | DARWIN GREEN | NEAL MAGUIRE |
|------------------------------|--------------|--------------|

| SAMPLE PREPARATION |                               |
|--------------------|-------------------------------|
| ALS CODE           | DESCRIPTION                   |
| FND-02             | Find Sample for Addn Analysis |

| ANALYTICAL PROCEDURES |                                 |            |
|-----------------------|---------------------------------|------------|
| ALS CODE              | DESCRIPTION                     | INSTRUMENT |
| ME-XRF26              | Whole Rock By Fusion/XRF        | XRF        |
| OA-GRA05x             | LOI for XRF                     | WST-SEQ    |
| ME-MS42               | Up to 34 elements by ICP-MS     | ICP-MS     |
| S-IR08                | Total Sulphur (IR Spectroscopy) | LECO       |
| C-IR07                | Total Carbon (IR Spectroscopy)  | LECO       |
| ME-MS81               | Lithium Borate Fusion ICP-MS    | ICP-MS     |
| ME-4ACD81             | Base Metals by 4-acid dig.      | ICP-AES    |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

**Signature:**   
 Saa Traxler, General Manager, North Vancouver





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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313259**

| Sample Description         | Method Analyte Units LOD | ME-XRF26 Al2O3 % | ME-XRF26 BaO % | ME-XRF26 CaO % | ME-XRF26 Cr2O3 % | ME-XRF26 Fe2O3 % | ME-XRF26 K2O % | ME-XRF26 MgO % | ME-XRF26 MnO % | ME-XRF26 Na2O % | ME-XRF26 P2O5 % | ME-XRF26 SiO2 % | ME-XRF26 SrO % | ME-XRF26 TiO2 % | OA-GRA05x LOI 1000 % | ME-XRF26 Total % |
|----------------------------|--------------------------|------------------|----------------|----------------|------------------|------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------------|------------------|
| <b>STANDARDS</b>           |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| AMIS0547                   |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 37.88            |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 36.19            |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 40.02            |
| DS-1                       |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| DS-1                       |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| DS-1                       |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| GS313-8                    |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| GS313-8                    |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| GS313-8                    |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| MRGeo08                    |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| MRGeo08                    |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 146                  |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 218                  |                          | 13.58            | 0.02           | 10.10          | 0.03             | 12.16            | 0.23           | 7.14           | 0.19           | 2.98            | 0.11            | 49.65           | 0.02           | 1.12            |                      | 97.88            |
| Target Range - Lower Bound |                          | 13.04            | <0.01          | 9.73           | <0.01            | 11.63            | 0.20           | 6.81           | 0.16           | 2.75            | 0.07            | 48.02           | <0.01          | 1.04            |                      | <0.01            |
| Upper Bound                |                          | 13.96            | 0.04           | 10.45          | 0.05             | 12.47            | 0.26           | 7.39           | 0.22           | 3.05            | 0.13            | 50.38           | 0.03           | 1.20            |                      | 0.02             |
| OREAS 220                  |                          | 13.76            | 0.02           | 9.69           | 0.04             | 11.42            | 0.47           | 7.10           | 0.17           | 2.78            | 0.18            | 50.62           | 0.03           | 1.29            |                      | 98.17            |
| Target Range - Lower Bound |                          | 13.12            | <0.01          | 9.28           | 0.02             | 11.00            | 0.42           | 6.92           | 0.14           | 2.60            | 0.15            | 49.10           | <0.01          | 1.19            |                      | <0.01            |
| Upper Bound                |                          | 14.04            | 0.05           | 10.00          | 0.06             | 11.80            | 0.51           | 7.50           | 0.20           | 2.90            | 0.21            | 51.50           | 0.05           | 1.37            |                      | 0.02             |
| OREAS 501b                 |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 602                  |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS-45e                  |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 8.56             |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313259**

| Method Analyte Units LOD   | ME-MS81 Ba ppm 0.5 | ME-MS81 Ce ppm 0.1 | ME-MS81 Cr ppm 10 | ME-MS81 Cs ppm 0.01 | ME-MS81 Dy ppm 0.05 | ME-MS81 Er ppm 0.03 | ME-MS81 Eu ppm 0.03 | ME-MS81 Ga ppm 0.1 | ME-MS81 Gd ppm 0.05 | ME-MS81 Ge ppm 5 | ME-MS81 Hf ppm 0.2 | ME-MS81 Ho ppm 0.01 | ME-MS81 La ppm 0.1 | ME-MS81 Lu ppm 0.01 | ME-MS81 Nb ppm 0.2 |
|----------------------------|--------------------|--------------------|-------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|------------------|--------------------|---------------------|--------------------|---------------------|--------------------|
| <b>STANDARDS</b>           |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| AMIS0547                   |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| DS-1                       |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| DS-1                       |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| DS-1                       |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| GS313-8                    |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| GS313-8                    |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| GS313-8                    |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| MRGeo08                    |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| MRGeo08                    |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| OREAS 146                  | >10000             | 4930               | 190               | 0.57                | 244                 | 90.2                | 133.5               | 31.5               | 345                 | 6                | 4.3                | 38.1                | 2600               | 6.47                | 394                |
| Target Range - Lower Bound | 11450              | 4220               | 160               | 0.47                | 202                 | 78.3                | 114.5               | 26.2               | 323                 | <5               | 3.6                | 33.1                | 2260               | 5.66                | 349                |
| Upper Bound                | >10000             | 5160               | 220               | 0.59                | 246                 | 95.7                | 139.5               | 32.2               | 395                 | 15               | 4.8                | 40.5                | 2760               | 6.94                | 427                |
| OREAS 218                  |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| OREAS 220                  |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| OREAS 501b                 |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| OREAS 602                  |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| OREAS-45e                  |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313259**

|                    | Method                     | ME-MS81   | ME-MS81   | ME-MS81   | ME-MS81   | ME-MS81   | ME-MS81   | ME-MS81   | ME-MS81   | ME-MS81   | ME-MS81   | ME-MS81  | ME-MS81  | ME-MS81  | ME-MS81  |           |  |
|--------------------|----------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|----------|----------|-----------|--|
| Sample Description | Analyte<br>Units<br>LOD    | Nd<br>ppm | Pr<br>ppm | Rb<br>ppm | Sm<br>ppm | Sn<br>ppm | Sr<br>ppm | Ta<br>ppm | Tb<br>ppm | Th<br>ppm | Tm<br>ppm | U<br>ppm | V<br>ppm | W<br>ppm | Y<br>ppm | Yb<br>ppm |  |
|                    |                            | 0.1       | 0.03      | 0.2       | 0.03      | 1         | 0.1       | 0.1       | 0.01      | 0.05      | 0.01      | 0.05     | 5        | 1        | 0.1      | 0.03      |  |
| <b>STANDARDS</b>   |                            |           |           |           |           |           |           |           |           |           |           |          |          |          |          |           |  |
| AMIS0547           | Target Range - Lower Bound |           |           |           |           |           |           |           |           |           |           |          |          |          |          |           |  |
|                    | Upper Bound                |           |           |           |           |           |           |           |           |           |           |          |          |          |          |           |  |
| DS-1               | Target Range - Lower Bound |           |           |           |           |           |           |           |           |           |           |          |          |          |          |           |  |
|                    | Upper Bound                |           |           |           |           |           |           |           |           |           |           |          |          |          |          |           |  |
| DS-1               | Target Range - Lower Bound |           |           |           |           |           |           |           |           |           |           |          |          |          |          |           |  |
|                    | Upper Bound                |           |           |           |           |           |           |           |           |           |           |          |          |          |          |           |  |
| GS313-8            | Target Range - Lower Bound |           |           |           |           |           |           |           |           |           |           |          |          |          |          |           |  |
|                    | Upper Bound                |           |           |           |           |           |           |           |           |           |           |          |          |          |          |           |  |
| GS313-8            | Target Range - Lower Bound |           |           |           |           |           |           |           |           |           |           |          |          |          |          |           |  |
|                    | Upper Bound                |           |           |           |           |           |           |           |           |           |           |          |          |          |          |           |  |
| MRGeo08            | Target Range - Lower Bound |           |           |           |           |           |           |           |           |           |           |          |          |          |          |           |  |
|                    | Upper Bound                |           |           |           |           |           |           |           |           |           |           |          |          |          |          |           |  |
| MRGeo08            | Target Range - Lower Bound |           |           |           |           |           |           |           |           |           |           |          |          |          |          |           |  |
|                    | Upper Bound                |           |           |           |           |           |           |           |           |           |           |          |          |          |          |           |  |
| OREAS 146          | Target Range - Lower Bound | 2270      | 572       | 27.4      | 474       | 44        | 3270      | 3.9       | 46.8      | 966       | 10.55     | 2.60     | 162      | 29       | 957      | 55.4      |  |
|                    | Upper Bound                | 1965      | 493       | 23.7      | 397       | 40        | 2790      | 3.6       | 42.5      | 813       | 8.90      | 2.37     | 140      | 25       | 814      | 48.1      |  |
| OREAS 218          | Target Range - Lower Bound | 2400      | 603       | 29.5      | 485       | 52        | 3410      | 4.6       | 51.9      | 993       | 10.90     | 3.01     | 182      | 33       | 996      | 58.9      |  |
|                    | Upper Bound                |           |           |           |           |           |           |           |           |           |           |          |          |          |          |           |  |
| OREAS 220          | Target Range - Lower Bound |           |           |           |           |           |           |           |           |           |           |          |          |          |          |           |  |
|                    | Upper Bound                |           |           |           |           |           |           |           |           |           |           |          |          |          |          |           |  |
| OREAS 501b         | Target Range - Lower Bound |           |           |           |           |           |           |           |           |           |           |          |          |          |          |           |  |
|                    | Upper Bound                |           |           |           |           |           |           |           |           |           |           |          |          |          |          |           |  |
| OREAS 602          | Target Range - Lower Bound |           |           |           |           |           |           |           |           |           |           |          |          |          |          |           |  |
|                    | Upper Bound                |           |           |           |           |           |           |           |           |           |           |          |          |          |          |           |  |
| OREAS-45e          | Target Range - Lower Bound |           |           |           |           |           |           |           |           |           |           |          |          |          |          |           |  |
|                    | Upper Bound                |           |           |           |           |           |           |           |           |           |           |          |          |          |          |           |  |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313259**

| Sample Description | Method Analyte Units LOD   | ME-MS81<br>Zr<br>ppm<br>2 | ME-4ACD81<br>Ag<br>ppm<br>0.5 | ME-4ACD81<br>Cd<br>ppm<br>0.5 | ME-4ACD81<br>Co<br>ppm<br>1 | ME-4ACD81<br>Cu<br>ppm<br>1 | ME-4ACD81<br>Li<br>ppm<br>10 | ME-4ACD81<br>Mo<br>ppm<br>1 | ME-4ACD81<br>Ni<br>ppm<br>1 | ME-4ACD81<br>Pb<br>ppm<br>2 | ME-4ACD81<br>Sc<br>ppm<br>1 | ME-4ACD81<br>Zn<br>ppm<br>2 | ME-MS42<br>As<br>ppm<br>0.1 | ME-MS42<br>Bi<br>ppm<br>0.01 | ME-MS42<br>Hg<br>ppm<br>0.005 | ME-MS42<br>In<br>ppm<br>0.005 |
|--------------------|----------------------------|---------------------------|-------------------------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|
| <b>STANDARDS</b>   |                            |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| AMIS0547           | Target Range - Lower Bound |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| DS-1               | Target Range - Lower Bound |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| DS-1               | Target Range - Lower Bound |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| GS313-8            | Target Range - Lower Bound |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| GS313-8            | Target Range - Lower Bound |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| MRGeo08            | Target Range - Lower Bound | 4.6                       | 2.6                           | 21                            | 641                         | 30                          | 14                           | 712                         | 1110                        | 11                          | 817                         |                             |                             |                              |                               |                               |
|                    | Upper Bound                | 3.2                       | 1.1                           | 17                            | 586                         | <10                         | 12                           | 621                         | 969                         | 10                          | 722                         |                             |                             |                              |                               |                               |
| MRGeo08            | Target Range - Lower Bound | 5.6                       | 3.4                           | 23                            | 676                         | 50                          | 18                           | 761                         | 1190                        | 15                          | 886                         |                             |                             |                              |                               |                               |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| MRGeo08            | Target Range - Lower Bound |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 33.3                        | 0.68                         | 0.064                         | 0.157                         |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 29.6                        | 0.58                         | 0.045                         | 0.137                         |
| OREAS 146          | Target Range - Lower Bound | 248                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
|                    | Upper Bound                | 204                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| OREAS 218          | Target Range - Lower Bound | 254                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| OREAS 220          | Target Range - Lower Bound |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| OREAS 501b         | Target Range - Lower Bound |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 19.2                        | 1.52                         | 0.014                         | 0.189                         |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 16.9                        | 1.43                         | 0.006                         |                               |
| OREAS 602          | Target Range - Lower Bound | >100                      | 24.9                          | 10                            | 4970                        | 20                          | 4                            | 58                          | 1010                        | 4                           | 4040                        |                             |                             |                              |                               |                               |
|                    | Upper Bound                | 107.5                     | 21.7                          | 7                             | 4790                        | <10                         | 2                            | 53                          | 918                         | 2                           | 3770                        |                             |                             |                              |                               |                               |
| OREAS-45e          | Target Range - Lower Bound | 100.0                     | 27.7                          | 12                            | 5510                        | 40                          | 7                            | 67                          | 1125                        | 6                           | 4610                        |                             |                             |                              |                               |                               |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313259**

| Sample Description         | Method Analyte Units LOD | ME-MS42<br>Re<br>ppm<br>0.001 | ME-MS42<br>Sb<br>ppm<br>0.05 | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02 | S-IR08<br>S<br>%<br>0.01 | C-IR07<br>C<br>%<br>0.01 |
|----------------------------|--------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------|--------------------------|
| <b>STANDARDS</b>           |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| AMIS0547                   |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| DS-1                       |                          |                               |                              |                             |                             |                              |                              | 3.14                     |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              | 3.01                     |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              | 3.25                     |                          |
| DS-1                       |                          |                               |                              |                             |                             |                              | 2.66                         | 3.13                     |                          |
| DS-1                       |                          |                               |                              |                             |                             |                              | 2.67                         |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              | 2.51                         |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              | 2.71                         |                          |                          |
| GS313-8                    |                          |                               |                              |                             |                             |                              |                              | 0.92                     |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              | 0.90                     |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              | 0.98                     |                          |
| GS313-8                    |                          |                               |                              |                             |                             |                              | 1.23                         | 0.93                     |                          |
| GS313-8                    |                          |                               |                              |                             |                             |                              | 1.20                         |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              | 1.19                         |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              | 1.29                         |                          |                          |
| MGeo08                     |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| MGeo08                     |                          | 0.009                         | 2.94                         | 6.8                         | 0.6                         | 0.01                         | 0.84                         |                          |                          |
| Target Range - Lower Bound |                          | 0.006                         | 2.80                         | 6.7                         | 0.6                         | <0.01                        | 0.64                         |                          |                          |
| Upper Bound                |                          | 0.010                         | 3.90                         | 8.4                         | 1.5                         | 0.04                         | 0.92                         |                          |                          |
| OREAS 146                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 218                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 220                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 501b                 |                          | 0.003                         | 0.42                         | 6.9                         | 2.8                         | 0.06                         | 0.68                         |                          |                          |
| Target Range - Lower Bound |                          |                               | 0.34                         | 6.3                         | 2.2                         | 0.05                         | 0.57                         |                          |                          |
| Upper Bound                |                          |                               | 0.64                         | 7.9                         | 3.3                         | 0.10                         | 0.81                         |                          |                          |
| OREAS 602                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS-45e                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313259**

| Method Analyte Units LOD   | ME-XRF26 Al2O3 % | ME-XRF26 BaO % | ME-XRF26 CaO % | ME-XRF26 Cr2O3 % | ME-XRF26 Fe2O3 % | ME-XRF26 K2O % | ME-XRF26 MgO % | ME-XRF26 MnO % | ME-XRF26 Na2O % | ME-XRF26 P2O5 % | ME-XRF26 SiO2 % | ME-XRF26 SrO % | ME-XRF26 TiO2 % | OA-GRA05x LOI 1000 % | ME-XRF26 Total % |
|----------------------------|------------------|----------------|----------------|------------------|------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------------|------------------|
| Sample Description         | 0.01             | 0.01           | 0.01           | 0.01             | 0.01             | 0.01           | 0.01           | 0.01           | 0.01            | 0.01            | 0.01            | 0.01           | 0.01            | 0.01                 | 0.01             |
| <b>STANDARDS</b>           |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 8.11                 |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 8.99                 |                  |
| SY-4                       |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| <b>BLANKS</b>              |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      | <0.01            | <0.01          | <0.01          | <0.01            | <0.01            | <0.01          | 0.01           | <0.01          | 0.01            | <0.01           | >100.0          | <0.01          | <0.01           |                      | 100.05           |
| Target Range - Lower Bound | <0.01            | <0.01          | <0.01          | <0.01            | <0.01            | <0.01          | <0.01          | <0.01          | <0.01           | <0.01           | <0.01           | <0.01          | <0.01           |                      | <0.01            |
| Upper Bound                | 0.02             | 0.02           | 0.02           | 0.02             | 0.02             | 0.02           | 0.02           | 0.02           | 0.02            | 0.02            | 0.02            | 0.02           | 0.02            |                      | 0.02             |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 0.02                 |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | <0.01                |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 0.02                 |                  |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313259**

| Method Analyte Units LOD   | ME-MS81 Ba ppm | ME-MS81 Ce ppm | ME-MS81 Cr ppm | ME-MS81 Cs ppm | ME-MS81 Dy ppm | ME-MS81 Er ppm | ME-MS81 Eu ppm | ME-MS81 Ga ppm | ME-MS81 Gd ppm | ME-MS81 Ge ppm | ME-MS81 Hf ppm | ME-MS81 Ho ppm | ME-MS81 La ppm | ME-MS81 Lu ppm | ME-MS81 Nb ppm |  |
|----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--|
| Sample Description         | 0.5            | 0.1            | 10             | 0.01           | 0.05           | 0.03           | 0.03           | 0.1            | 0.05           | 5              | 0.2            | 0.01           | 0.1            | 0.01           | 0.2            |  |
| <b>STANDARDS</b>           |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| SY-4                       | 338            | 126.5          | 10             | 1.58           | 19.90          | 15.55          | 2.23           | 34.5           | 14.80          | <5             | 10.5           | 4.61           | 59.6           | 2.14           | 13.8           |  |
| Target Range - Lower Bound | 306            | 109.5          | <10            | 1.34           | 16.35          | 12.75          | 1.77           | 33.1           | 12.55          | <5             | 9.8            | 3.86           | 52.1           | 1.88           | 11.5           |  |
| Upper Bound                | 375            | 134.5          | 30             | 1.66           | 20.1           | 15.65          | 2.23           | 40.7           | 15.45          | 12             | 12.4           | 4.74           | 63.9           | 2.32           | 14.5           |  |
| <b>BLANKS</b>              |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| Target Range - Lower Bound | <0.5           | 0.2            | <10            | 0.01           | <0.05          | <0.03          | <0.03          | 0.1            | 0.05           | <5             | <0.2           | <0.01          | 0.2            | 0.01           | <0.2           |  |
| Upper Bound                | <0.5           | <0.1           | <10            | <0.01          | <0.05          | <0.03          | <0.03          | <0.1           | <0.05          |                | <0.2           | <0.01          | <0.1           | <0.01          | <0.2           |  |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| Upper Bound                | 1.0            | 0.2            | 20             | 0.02           | 0.10           | 0.06           | 0.06           | 0.2            | 0.10           |                | 0.4            | 0.02           | 0.2            | 0.02           | 0.4            |  |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |  |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313259**

| Sample Description         | Method Analyte Units LOD | ME-MS81 Nd ppm | ME-MS81 Pr ppm | ME-MS81 Rb ppm | ME-MS81 Sm ppm | ME-MS81 Sn ppm | ME-MS81 Sr ppm | ME-MS81 Ta ppm | ME-MS81 Tb ppm | ME-MS81 Th ppm | ME-MS81 Tm ppm | ME-MS81 U ppm | ME-MS81 V ppm | ME-MS81 W ppm | ME-MS81 Y ppm | ME-MS81 Yb ppm |
|----------------------------|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|
|                            |                          | 0.1            | 0.03           | 0.2            | 0.03           | 1              | 0.1            | 0.1            | 0.01           | 0.05           | 0.01           | 0.05          | 5             | 1             | 0.1           | 0.03           |
| <b>STANDARDS</b>           |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| SY-4                       |                          | 61.2           | 15.40          | 57.2           | 13.65          | 8              | 1280           | 0.8            | 2.75           | 1.41           | 2.37           | 0.70          | 8             | 1             | 118.5         | 16.00          |
| Target Range - Lower Bound |                          | 51.2           | 13.45          | 49.3           | 11.40          | 6              | 1070           | 0.7            | 2.33           | 1.11           | 2.06           | 0.66          | <5            | <1            | 107.0         | 13.30          |
| Upper Bound                |                          | 62.8           | 16.55          | 60.7           | 14.00          | 10             | 1310           | 1.1            | 2.87           | 1.47           | 2.54           | 0.94          | 18            | 3             | 131.0         | 16.30          |
| <b>BLANKS</b>              |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| BLANK                      |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| BLANK                      |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| BLANK                      |                          | 0.1            | <0.03          | <0.2           | <0.03          | <1             | 0.1            | 0.1            | 0.01           | <0.05          | 0.02           | <0.05         | 8             | 1             | 0.1           | <0.03          |
| Target Range - Lower Bound |                          | <0.1           | <0.03          | <0.2           | <0.03          | <1             | <0.1           | <0.1           | <0.01          | <0.05          | <0.01          | <0.05         | <5            | <1            | <0.1          | <0.03          |
| Upper Bound                |                          | 0.2            | 0.06           | 0.4            | 0.06           | 2              | 0.2            | 0.2            | 0.02           | 0.10           | 0.02           | 0.10          | 10            | 2             | 0.2           | 0.06           |
| BLANK                      |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| BLANK                      |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| BLANK                      |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313259**

| Sample Description         | Method Analyte Units LOD | ME-MS81<br>Zr<br>ppm<br>2 | ME-4ACD81<br>Ag<br>ppm<br>0.5 | ME-4ACD81<br>Cd<br>ppm<br>0.5 | ME-4ACD81<br>Co<br>ppm<br>1 | ME-4ACD81<br>Cu<br>ppm<br>1 | ME-4ACD81<br>Li<br>ppm<br>10 | ME-4ACD81<br>Mo<br>ppm<br>1 | ME-4ACD81<br>Ni<br>ppm<br>1 | ME-4ACD81<br>Pb<br>ppm<br>2 | ME-4ACD81<br>Sc<br>ppm<br>1 | ME-4ACD81<br>Zn<br>ppm<br>2 | ME-MS42<br>As<br>ppm<br>0.1 | ME-MS42<br>Bi<br>ppm<br>0.01 | ME-MS42<br>Hg<br>ppm<br>0.005 | ME-MS42<br>In<br>ppm<br>0.005 |
|----------------------------|--------------------------|---------------------------|-------------------------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|
| <b>STANDARDS</b>           |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| SY-4                       |                          | 568                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          | 543                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          | 668                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| <b>BLANKS</b>              |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| BLANK                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| BLANK                      |                          | <0.5                      | <0.5                          | <1                            | 1                           | <10                         | <1                           | <1                          | <2                          | <1                          | <2                          |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          | <0.5                      | <0.5                          | <1                            | <1                          |                             | <1                           | <1                          | <2                          |                             | <2                          |                             |                             |                              |                               |                               |
| Upper Bound                |                          | 1.0                       | 1.0                           | 2                             | 2                           |                             | 2                            | 2                           | 4                           |                             | 4                           |                             |                             |                              |                               |                               |
| BLANK                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | <0.1                        | <0.01                        | <0.005                        | <0.005                        |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | <0.1                        | <0.01                        | <0.005                        | <0.005                        |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 0.2                         | 0.02                         | 0.010                         | 0.010                         |
| BLANK                      |                          | <2                        |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          | <2                        |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          | 4                         |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| BLANK                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| BLANK                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| BLANK                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313259**

| Sample Description         | Method Analyte Units LOD | ME-MS42<br>Re<br>ppm<br>0.001 | ME-MS42<br>Sb<br>ppm<br>0.05 | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02 | S-IR08<br>S<br>%<br>0.01 | C-IR07<br>C<br>%<br>0.01 |
|----------------------------|--------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------|--------------------------|
| <b>STANDARDS</b>           |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| SY-4                       |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| <b>BLANKS</b>              |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              | <0.01                    |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              | <0.01                    |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              | 0.02                     |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          | <0.001                        | <0.05                        | <0.1                        | <0.2                        | <0.01                        | <0.02                        |                          |                          |
| Target Range - Lower Bound |                          | <0.001                        | <0.05                        | <0.1                        | <0.2                        | <0.01                        | <0.02                        |                          |                          |
| Upper Bound                |                          | 0.002                         | 0.10                         | 0.2                         | 0.4                         | 0.02                         | 0.04                         |                          |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              | <0.01                    | <0.01                    |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              | <0.01                    |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              | <0.01                    |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              | 0.02                     |                          |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313259**

| Sample Description                                           | Method Analyte Units LOD | ME-XRF26 Al2O3 %                 | ME-XRF26 BaO %               | ME-XRF26 CaO %               | ME-XRF26 Cr2O3 %               | ME-XRF26 Fe2O3 %             | ME-XRF26 K2O %               | ME-XRF26 MgO %               | ME-XRF26 MnO %               | ME-XRF26 Na2O %              | ME-XRF26 P2O5 %              | ME-XRF26 SiO2 %                  | ME-XRF26 SrO %               | ME-XRF26 TiO2 %              | OA-GRA05x LOI 1000 %         | ME-XRF26 Total %                     |
|--------------------------------------------------------------|--------------------------|----------------------------------|------------------------------|------------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|----------------------------------|------------------------------|------------------------------|------------------------------|--------------------------------------|
|                                                              |                          | 0.01                             | 0.01                         | 0.01                         | 0.01                           | 0.01                         | 0.01                         | 0.01                         | 0.01                         | 0.01                         | 0.01                         | 0.01                             | 0.01                         | 0.01                         | 0.01                         | 0.01                                 |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | <b>DUPLICATES</b>                |                              |                              |                                |                              |                              |                              |                              |                              |                              |                                  |                              |                              |                              |                                      |
| W933095<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | 14.63<br>14.76<br>14.46<br>14.93 | 0.25<br>0.25<br>0.23<br>0.27 | 3.71<br>3.75<br>3.66<br>3.80 | 0.01<br><0.01<br><0.01<br>0.02 | 3.77<br>3.84<br>3.74<br>3.87 | 3.00<br>3.06<br>2.94<br>3.12 | 2.02<br>2.03<br>1.98<br>2.07 | 0.08<br>0.08<br>0.07<br>0.09 | 5.18<br>5.23<br>5.06<br>5.35 | 0.26<br>0.26<br>0.24<br>0.28 | 60.25<br>60.72<br>59.57<br>61.40 | 0.06<br>0.06<br>0.05<br>0.07 | 0.35<br>0.36<br>0.34<br>0.37 | 5.48<br>5.39<br>5.29<br>5.58 | 101.30<br>102.25<br>100.75<br>102.80 |
| W933602<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                                  |                              |                              |                                |                              |                              |                              |                              |                              |                              |                                  |                              |                              |                              |                                      |
| W933358<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                                  |                              |                              |                                |                              |                              |                              |                              |                              |                              |                                  |                              |                              |                              |                                      |
| W933399<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                                  |                              |                              |                                |                              |                              |                              |                              |                              |                              |                                  |                              |                              |                              |                                      |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                                  |                              |                              |                                |                              |                              |                              |                              |                              |                              |                                  |                              |                              |                              |                                      |
|                                                              |                          |                                  |                              |                              |                                |                              |                              |                              |                              |                              |                              |                                  |                              |                              |                              |                                      |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313259**

| Sample Description         | Method Analyte Units LOD | ME-MS81           | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |        |
|----------------------------|--------------------------|-------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
|                            |                          | Ba ppm            | Ce ppm  | Cr ppm  | Cs ppm  | Dy ppm  | Er ppm  | Eu ppm  | Ga ppm  | Gd ppm  | Ge ppm  | Hf ppm  | Ho ppm  | La ppm  | Lu ppm  | Nb ppm |
|                            |                          | 0.5               | 0.1     | 10      | 0.01    | 0.05    | 0.03    | 0.03    | 0.1     | 0.05    | 5       | 0.2     | 0.01    | 0.1     | 0.01    |        |
|                            |                          | <b>DUPLICATES</b> |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| ORIGINAL                   |                          | 160.5             | 30.5    | <10     | 1.56    | 10.60   | 7.62    | 0.04    | 15.7    | 7.64    | <5      | 5.3     | 2.30    | 11.4    | 1.04    | 25.0   |
| DUP                        |                          | 161.0             | 31.8    | <10     | 1.61    | 10.55   | 6.93    | 0.05    | 15.9    | 7.37    | <5      | 5.3     | 2.34    | 11.9    | 1.04    | 25.2   |
| Target Range - Lower Bound |                          | 152.0             | 29.5    | <10     | 1.50    | 10.00   | 6.88    | <0.03   | 14.9    | 7.08    | <5      | 4.8     | 2.19    | 11.0    | 0.98    | 23.6   |
| Upper Bound                |                          | 169.5             | 32.8    | 20      | 1.67    | 11.15   | 7.67    | 0.06    | 16.7    | 7.93    | 10      | 5.8     | 2.45    | 12.3    | 1.10    | 26.6   |
| W933095                    |                          |                   |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| DUP                        |                          |                   |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |                   |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |                   |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| W933602                    |                          |                   |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| DUP                        |                          |                   |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |                   |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |                   |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| W933358                    |                          |                   |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| DUP                        |                          |                   |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |                   |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |                   |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| W933399                    |                          |                   |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| DUP                        |                          |                   |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |                   |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |                   |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| ORIGINAL                   |                          |                   |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| DUP                        |                          |                   |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |                   |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |                   |         |         |         |         |         |         |         |         |         |         |         |         |         |        |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM19313259**

| Sample Description         | Method Analyte Units LOD | ME-MS81 Nd ppm    | ME-MS81 Pr ppm | ME-MS81 Rb ppm | ME-MS81 Sm ppm | ME-MS81 Sn ppm | ME-MS81 Sr ppm | ME-MS81 Ta ppm | ME-MS81 Tb ppm | ME-MS81 Th ppm | ME-MS81 Tm ppm | ME-MS81 U ppm | ME-MS81 V ppm | ME-MS81 W ppm | ME-MS81 Y ppm | ME-MS81 Yb ppm |
|----------------------------|--------------------------|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|
|                            |                          | 0.1               | 0.03           | 0.2            | 0.03           | 1              | 0.1            | 0.1            | 0.01           | 0.05           | 0.01           | 0.05          | 5             | 1             | 0.1           | 0.03           |
|                            |                          | <b>DUPLICATES</b> |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| ORIGINAL                   |                          | 19.8              | 4.43           | 3.0            | 6.24           | 4              | 26.7           | 2.1            | 1.46           | 10.70          | 1.08           | 6.82          | 5             | 3             | 59.8          | 7.04           |
| DUP                        |                          | 21.4              | 4.52           | 3.4            | 6.51           | 3              | 27.4           | 2.4            | 1.54           | 10.70          | 1.06           | 6.99          | 7             | 4             | 60.8          | 7.33           |
| Target Range - Lower Bound |                          | 19.5              | 4.22           | 2.8            | 6.03           | 2              | 25.6           | 2.0            | 1.42           | 10.10          | 1.01           | 6.51          | <5            | 2             | 57.2          | 6.80           |
| Upper Bound                |                          | 21.7              | 4.73           | 3.6            | 6.72           | 5              | 28.5           | 2.5            | 1.59           | 11.30          | 1.13           | 7.30          | 10            | 5             | 63.4          | 7.57           |
| W933095<br>DUP             |                          |                   |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Target Range - Lower Bound |                          |                   |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Upper Bound                |                          |                   |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| W933602<br>DUP             |                          |                   |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Target Range - Lower Bound |                          |                   |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Upper Bound                |                          |                   |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| W933358<br>DUP             |                          |                   |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Target Range - Lower Bound |                          |                   |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Upper Bound                |                          |                   |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| W933399<br>DUP             |                          |                   |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Target Range - Lower Bound |                          |                   |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Upper Bound                |                          |                   |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| ORIGINAL<br>DUP            |                          |                   |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Target Range - Lower Bound |                          |                   |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Upper Bound                |                          |                   |                |                |                |                |                |                |                |                |                |               |               |               |               |                |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM19313259**

| Sample Description         | Method Analyte Units LOD | ME-MS81<br>Zr<br>ppm<br>2 | ME-4ACD81<br>Ag<br>ppm<br>0.5 | ME-4ACD81<br>Cd<br>ppm<br>0.5 | ME-4ACD81<br>Co<br>ppm<br>1 | ME-4ACD81<br>Cu<br>ppm<br>1 | ME-4ACD81<br>Li<br>ppm<br>10 | ME-4ACD81<br>Mo<br>ppm<br>1 | ME-4ACD81<br>Ni<br>ppm<br>1 | ME-4ACD81<br>Pb<br>ppm<br>2 | ME-4ACD81<br>Sc<br>ppm<br>1 | ME-4ACD81<br>Zn<br>ppm<br>2 | ME-MS42<br>As<br>ppm<br>0.1 | ME-MS42<br>Bi<br>ppm<br>0.01 | ME-MS42<br>Hg<br>ppm<br>0.005 | ME-MS42<br>In<br>ppm<br>0.005 |
|----------------------------|--------------------------|---------------------------|-------------------------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|
| <b>DUPLICATES</b>          |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| ORIGINAL                   |                          | 114                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| DUP                        |                          | 121                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          | 110                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          | 125                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| W933095                    |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| DUP                        |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| W933602                    |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 0.3                         | 0.45                         | <0.005                        | 0.019                         |
| DUP                        |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 0.3                         | 0.42                         | <0.005                        | 0.018                         |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 0.2                         | 0.40                         | <0.005                        | 0.013                         |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 0.4                         | 0.47                         | 0.010                         | 0.024                         |
| W933358                    |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| DUP                        |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| W933399                    |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| DUP                        |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| ORIGINAL                   |                          | 1.0                       | 0.6                           | 6                             | >10000                      | 10                          | 190                          | 21                          | 542                         | 18                          | 42                          |                             |                             |                              |                               |                               |
| DUP                        |                          | 0.9                       | 0.5                           | 6                             | >10000                      | 10                          | 190                          | 23                          | 566                         | 20                          | 42                          |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          | <0.5                      | <0.5                          | 5                             | 9650                        | <10                         | 180                          | 20                          | 524                         | 17                          | 38                          |                             |                             |                              |                               |                               |
| Upper Bound                |                          | 1.0                       | 1.0                           | 7                             | >10000                      | 20                          | 201                          | 24                          | 584                         | 21                          | 46                          |                             |                             |                              |                               |                               |



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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313259**

| Sample Description                                           | Method<br>Analyte<br>Units<br>LOD | ME-MS42<br>Re<br>ppm<br>0.001       | ME-MS42<br>Sb<br>ppm<br>0.05    | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02  | S-IR08<br>S<br>%<br>0.01     | C-IR07<br>C<br>%<br>0.01 |
|--------------------------------------------------------------|-----------------------------------|-------------------------------------|---------------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|------------------------------|--------------------------|
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                                   | <b>DUPLICATES</b>                   |                                 |                             |                             |                              |                               |                              |                          |
| W933095<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                                   |                                     |                                 |                             |                             |                              |                               |                              |                          |
| W933602<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                                   | <0.001<br><0.001<br><0.001<br>0.002 | <0.05<br><0.05<br><0.05<br>0.10 | 4.1<br>4.3<br>3.9<br>4.5    | 0.8<br>0.6<br>0.5<br>0.9    | 0.06<br>0.04<br>0.04<br>0.06 | 0.03<br>0.03<br><0.02<br>0.04 |                              |                          |
| W933358<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                                   |                                     |                                 |                             |                             |                              | 0.96<br>0.97<br>0.93<br>1.00  |                              |                          |
| W933399<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                                   |                                     |                                 |                             |                             |                              | 0.35<br>0.37<br>0.34<br>0.38  | 0.77<br>0.77<br>0.77<br>0.83 |                          |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                                   |                                     |                                 |                             |                             |                              |                               |                              |                          |
|                                                              |                                   |                                     |                                 |                             |                             |                              |                               |                              |                          |



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Account: **GOLHIGH**

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM19313259**

### CERTIFICATE COMMENTS

#### LABORATORY ADDRESSES

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
C-IR07 FND-02 ME-4ACD81  
ME-MS81 ME-XRF26 OA-GRA05x

ME-MS42  
S-IR08





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**CERTIFICATE TM20055703**

Project: Golden Perimeter  
 P.O. No.: GP20-01  
 This report is for 269 Drill Core samples submitted to our lab in Timmins, ON, Canada on 9-MAR-2020.  
 The following have access to data associated with this certificate:

|                              |              |              |
|------------------------------|--------------|--------------|
| IAN DUNLOP<br>CONOR MCKINLEY | DARWIN GREEN | NEAL MAGUIRE |
|------------------------------|--------------|--------------|

| SAMPLE PREPARATION |                                 |
|--------------------|---------------------------------|
| ALS CODE           | DESCRIPTION                     |
| WEI-21             | Received Sample Weight          |
| LOG-21             | Sample logging - ClientBarCode  |
| CRU-QC             | Crushing QC Test                |
| PUL-QC             | Pulverizing QC Test             |
| CRU-31             | Fine crushing - 70% <2mm        |
| SPL-21             | Split sample - riffle splitter  |
| PUL-31             | Pulverize up to 250g 85% <75 um |
| LOG-23             | Pulp Login - Rcvd with Barcode  |

| ANALYTICAL PROCEDURES |                               |            |
|-----------------------|-------------------------------|------------|
| ALS CODE              | DESCRIPTION                   | INSTRUMENT |
| ME-ICP61              | 33 element four acid ICP-AES  | ICP-AES    |
| Au-AA26               | Ore Grade Au 50g FA AA finish | AAS        |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:   
 Saa Traxler, General Manager, North Vancouver



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20055703**

| Sample Description | Method  | WEI-21    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |     |
|--------------------|---------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|
|                    | Analyte | Recvd Wt. | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga  |
|                    | Units   | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm |
|                    | LOD     | 0.02      | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10  |
| W934634            |         | 1.09      | <0.01   | <0.5     | 8.02     | <5       | 2600     | 3.3      | <2       | 1.85     | <0.5     | 9        | 54       | 33       | 2.25     | 20  |
| W934635            |         | 0.76      | 0.22    | <0.5     | 7.94     | <5       | 4720     | 1.9      | <2       | 2.06     | <0.5     | 4        | 20       | 4        | 1.79     | 20  |
| W934636            |         | 1.21      | 0.19    | <0.5     | 8.21     | <5       | 1950     | 2.7      | <2       | 1.25     | <0.5     | 7        | 25       | 73       | 2.29     | 20  |
| W934637            |         | 0.70      | 1.07    | <0.5     | 8.10     | <5       | 4190     | 2.6      | 2        | 0.99     | <0.5     | 10       | 23       | 50       | 2.97     | 20  |
| W934638            |         | 0.50      | 0.59    | <0.5     | 8.29     | <5       | 5890     | 2.9      | <2       | 0.23     | <0.5     | 7        | 51       | 77       | 2.67     | 20  |
| W934639            |         | 1.07      | 0.03    | <0.5     | 8.60     | <5       | 1540     | 3.0      | <2       | 0.37     | <0.5     | 4        | 12       | 45       | 2.32     | 20  |
| W934640            |         | 0.06      | 0.46    | <0.5     | 6.97     | 6        | 150      | <0.5     | <2       | 6.88     | <0.5     | 45       | 158      | 159      | 8.35     | 20  |
| W934641            |         | 0.83      | 0.01    | <0.5     | 8.83     | <5       | 3420     | 3.9      | <2       | 0.86     | <0.5     | 7        | 33       | 52       | 2.62     | 20  |
| W934642            |         | 2.98      | <0.01   | <0.5     | 7.09     | <5       | 3730     | 5.3      | 3        | 3.08     | <0.5     | 12       | 21       | 110      | 4.33     | 20  |
| W934643            |         | 1.78      | 0.07    | <0.5     | 8.20     | <5       | 2890     | 3.6      | <2       | 1.68     | <0.5     | 5        | 25       | 23       | 1.83     | 20  |
| W934644            |         | 1.66      | <0.01   | <0.5     | 8.85     | <5       | 2450     | 4.7      | <2       | 1.47     | <0.5     | 5        | 26       | 23       | 1.85     | 20  |
| W934645            |         | 0.81      | <0.01   | <0.5     | 8.56     | <5       | 2660     | 4.4      | <2       | 2.09     | <0.5     | 5        | 22       | 15       | 1.85     | 20  |
| W934646            |         | 0.95      | <0.01   | <0.5     | 8.66     | <5       | 2530     | 4.2      | <2       | 1.66     | <0.5     | 5        | 25       | 16       | 1.84     | 20  |
| W934647            |         | 2.80      | 0.04    | <0.5     | 7.30     | <5       | 5960     | 4.9      | 2        | 2.38     | <0.5     | 17       | 23       | 89       | 4.91     | 20  |
| W934648            |         | 3.32      | 0.01    | <0.5     | 7.56     | <5       | 4660     | 6.2      | 3        | 2.26     | <0.5     | 11       | 16       | 102      | 5.10     | 20  |
| W934649            |         | 0.69      | 0.09    | <0.5     | 9.05     | <5       | 4170     | 4.9      | 3        | 0.56     | <0.5     | 10       | 30       | 21       | 3.45     | 30  |
| W934650            |         | 0.32      | <0.01   | <0.5     | 1.21     | <5       | 30       | <0.5     | <2       | 0.02     | <0.5     | 1        | 18       | 2        | 0.95     | <10 |
| W934651            |         | 0.79      | 0.06    | <0.5     | 8.31     | <5       | 4900     | 5.1      | 3        | 1.91     | <0.5     | 4        | 15       | 28       | 3.33     | 20  |
| W934652            |         | 1.65      | 0.01    | <0.5     | 7.55     | <5       | 4280     | 4.3      | <2       | 2.44     | <0.5     | 9        | 18       | 37       | 2.69     | 20  |
| W934653            |         | 0.54      | 0.01    | 2.3      | 7.01     | <5       | 2680     | 4.5      | 16       | 0.60     | <0.5     | 14       | 39       | 143      | 3.86     | 20  |
| W934654            |         | 1.88      | <0.01   | <0.5     | 7.16     | <5       | 710      | 6.3      | 2        | 1.70     | <0.5     | 22       | 24       | 125      | 5.31     | 20  |
| W934655            |         | 2.58      | <0.01   | <0.5     | 7.29     | <5       | 5120     | 11.3     | 3        | 3.62     | <0.5     | 16       | 14       | 36       | 5.55     | 20  |
| W934656            |         | 1.92      | <0.01   | <0.5     | 7.27     | <5       | 4820     | 12.6     | <2       | 3.90     | <0.5     | 15       | 13       | 115      | 5.65     | 30  |
| W934657            |         | 0.89      | <0.01   | <0.5     | 6.97     | <5       | 4720     | 10.8     | <2       | 3.16     | <0.5     | 14       | 11       | 83       | 5.02     | 20  |
| W934658            |         | 1.16      | <0.01   | <0.5     | 7.23     | <5       | 5440     | 12.9     | 3        | 4.18     | <0.5     | 16       | 13       | 37       | 5.53     | 20  |
| W934659            |         | 2.80      | <0.01   | <0.5     | 7.00     | <5       | 6210     | 12.8     | <2       | 4.95     | <0.5     | 22       | 14       | 30       | 6.77     | 20  |
| W934660            |         | 0.06      | 0.54    | <0.5     | 7.32     | <5       | 160      | <0.5     | 2        | 7.12     | <0.5     | 46       | 163      | 167      | 8.75     | 20  |
| W934661            |         | 1.38      | <0.01   | <0.5     | 6.81     | <5       | 5320     | 12.1     | <2       | 4.43     | <0.5     | 22       | 17       | 115      | 7.00     | 20  |
| W934662            |         | 0.85      | <0.01   | <0.5     | 7.48     | <5       | 3720     | 10.3     | 2        | 2.43     | <0.5     | 12       | 16       | 103      | 5.07     | 30  |
| W934663            |         | 1.22      | 0.03    | <0.5     | 9.00     | <5       | 1800     | 5.6      | <2       | 1.18     | <0.5     | 4        | 15       | 48       | 2.29     | 30  |
| W934664            |         | 0.95      | 0.44    | <0.5     | 8.54     | <5       | 1970     | 3.6      | <2       | 1.66     | <0.5     | 10       | 14       | 347      | 3.38     | 20  |
| W934665            |         | 0.54      | 0.01    | 1.9      | 8.30     | <5       | 1480     | 3.8      | 5        | 1.89     | <0.5     | 13       | 182      | 148      | 2.12     | 20  |
| W934666            |         | 0.44      | <0.01   | 1.3      | 7.71     | <5       | 1280     | 3.5      | 6        | 1.57     | <0.5     | 12       | 130      | 126      | 1.90     | 20  |
| W934667            |         | 2.30      | <0.01   | <0.5     | 1.66     | 5        | 190      | 1.7      | <2       | 6.49     | <0.5     | 63       | 950      | 41       | 4.20     | 10  |
| W934668            |         | 1.35      | <0.01   | <0.5     | 1.95     | <5       | 30       | 0.8      | <2       | 1.90     | <0.5     | 88       | 1245     | 22       | 5.76     | <10 |
| W934669            |         | 2.01      | <0.01   | <0.5     | 1.82     | <5       | 50       | 0.6      | <2       | 2.45     | <0.5     | 83       | 1150     | 19       | 5.43     | <10 |
| W934670            |         | 0.32      | <0.01   | <0.5     | 1.41     | <5       | 20       | <0.5     | <2       | 0.03     | <0.5     | 1        | 27       | 2        | 0.81     | <10 |
| W934671            |         | 1.37      | <0.01   | <0.5     | 1.68     | <5       | 60       | 0.8      | <2       | 4.18     | <0.5     | 72       | 1030     | 21       | 5.04     | <10 |
| W934672            |         | 2.72      | <0.01   | <0.5     | 1.66     | <5       | 100      | 1.7      | <2       | 4.59     | <0.5     | 70       | 904      | 35       | 4.92     | 10  |
| W934673            |         | 2.82      | <0.01   | <0.5     | 2.17     | <5       | 130      | 2.9      | <2       | 4.31     | <0.5     | 67       | 1000     | 24       | 4.61     | 10  |



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**CERTIFICATE OF ANALYSIS TM20055703**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| W934634            |                          | 2.28     | 30       | 0.58     | 490      | <1       | 4.19     | 20       | 860      | 9        | 0.06     | <5       | 7        | 538      | <20      | 0.17 |
| W934635            |                          | 0.80     | 20       | 0.39     | 749      | <1       | 5.88     | 9        | 940      | 8        | 0.50     | <5       | 6        | 302      | <20      | 0.11 |
| W934636            |                          | 1.82     | 70       | 0.46     | 501      | <1       | 5.68     | 6        | 1060     | 13       | 0.69     | <5       | 5        | 506      | 20       | 0.16 |
| W934637            |                          | 4.24     | 70       | 0.40     | 456      | <1       | 3.78     | 8        | 1060     | 14       | 0.94     | <5       | 5        | 494      | 20       | 0.18 |
| W934638            |                          | 3.23     | 60       | 0.06     | 130      | <1       | 5.30     | 3        | 750      | 12       | 0.19     | <5       | 3        | 558      | 30       | 0.09 |
| W934639            |                          | 5.52     | 60       | 0.10     | 298      | <1       | 3.34     | 2        | 520      | 22       | 0.49     | <5       | 2        | 1175     | 30       | 0.13 |
| W934640            |                          | 0.20     | <10      | 4.22     | 1405     | <1       | 2.20     | 104      | 420      | 3        | 0.15     | <5       | 43       | 115      | <20      | 0.66 |
| W934641            |                          | 5.10     | 60       | 0.25     | 481      | <1       | 4.29     | 20       | 710      | 24       | 0.24     | <5       | 4        | 918      | 30       | 0.15 |
| W934642            |                          | 4.67     | 80       | 1.18     | 1005     | <1       | 2.92     | 15       | 2130     | 31       | 0.15     | <5       | 9        | 1540     | 20       | 0.35 |
| W934643            |                          | 2.60     | 20       | 0.46     | 445      | <1       | 4.71     | 8        | 700      | 18       | 0.09     | <5       | 5        | 828      | <20      | 0.14 |
| W934644            |                          | 3.06     | 20       | 0.73     | 380      | <1       | 5.04     | 7        | 800      | 33       | 0.04     | <5       | 5        | 1130     | <20      | 0.16 |
| W934645            |                          | 3.08     | 20       | 0.83     | 583      | <1       | 4.93     | 5        | 770      | 19       | 0.25     | <5       | 5        | 923      | <20      | 0.15 |
| W934646            |                          | 2.65     | 20       | 0.63     | 361      | <1       | 5.11     | 10       | 750      | 21       | 0.09     | <5       | 5        | 1095     | <20      | 0.14 |
| W934647            |                          | 4.23     | 120      | 0.95     | 879      | 1        | 3.02     | 12       | 2910     | 27       | 0.67     | <5       | 12       | 1050     | 30       | 0.41 |
| W934648            |                          | 5.77     | 130      | 1.03     | 862      | <1       | 2.47     | 14       | 2600     | 31       | 0.21     | <5       | 11       | 1335     | 30       | 0.45 |
| W934649            |                          | 5.27     | 170      | 0.56     | 138      | <1       | 2.51     | 11       | 2290     | 19       | 0.14     | <5       | 8        | 825      | 50       | 0.42 |
| W934650            |                          | 0.08     | 20       | 0.03     | 45       | <1       | 0.02     | 5        | 70       | <2       | <0.01    | <5       | 1        | 21       | <20      | 0.04 |
| W934651            |                          | 4.75     | 110      | 0.32     | 539      | <1       | 2.10     | 11       | 1870     | 15       | 0.18     | <5       | 7        | 861      | 30       | 0.36 |
| W934652            |                          | 5.22     | 60       | 0.28     | 482      | <1       | 3.44     | 9        | 1230     | 40       | 0.56     | <5       | 5        | 704      | 20       | 0.26 |
| W934653            |                          | 4.37     | 130      | 0.30     | 173      | <1       | 2.93     | 12       | 2370     | 94       | 0.70     | <5       | 10       | 773      | 30       | 0.38 |
| W934654            |                          | 4.44     | 120      | 2.03     | 511      | <1       | 2.14     | 41       | 2770     | 38       | 1.16     | <5       | 11       | 929      | 30       | 0.40 |
| W934655            |                          | 4.61     | 120      | 1.60     | 1070     | <1       | 3.02     | 16       | 2980     | 48       | 0.03     | <5       | 13       | 2060     | 40       | 0.50 |
| W934656            |                          | 3.76     | 130      | 1.49     | 1080     | <1       | 3.15     | 16       | 2740     | 59       | 0.21     | <5       | 13       | 1900     | 50       | 0.51 |
| W934657            |                          | 4.22     | 100      | 1.59     | 811      | <1       | 2.68     | 11       | 2490     | 66       | 0.96     | <5       | 10       | 1625     | 40       | 0.46 |
| W934658            |                          | 4.05     | 130      | 1.61     | 1155     | <1       | 3.03     | 17       | 2850     | 67       | 0.17     | <5       | 13       | 2290     | 50       | 0.50 |
| W934659            |                          | 4.82     | 170      | 2.14     | 1325     | <1       | 2.43     | 18       | 4100     | 54       | 0.03     | <5       | 18       | 2470     | 40       | 0.62 |
| W934660            |                          | 0.21     | <10      | 4.37     | 1450     | <1       | 2.31     | 107      | 440      | <2       | 0.16     | <5       | 44       | 122      | <20      | 0.68 |
| W934661            |                          | 4.74     | 170      | 2.21     | 1360     | <1       | 2.03     | 19       | 4180     | 109      | 0.70     | <5       | 18       | 1675     | 50       | 0.62 |
| W934662            |                          | 4.97     | 120      | 0.98     | 922      | 1        | 3.31     | 10       | 2670     | 103      | 1.06     | <5       | 10       | 1750     | 50       | 0.42 |
| W934663            |                          | 4.88     | 50       | 0.49     | 514      | <1       | 3.25     | 7        | 550      | 43       | 0.16     | <5       | 3        | 1460     | 30       | 0.15 |
| W934664            |                          | 5.07     | 110      | 1.13     | 479      | <1       | 1.69     | 9        | 1870     | 24       | 0.55     | <5       | 7        | 525      | 30       | 0.30 |
| W934665            |                          | 3.11     | 60       | 1.64     | 381      | 1        | 4.01     | 185      | 290      | 121      | 0.42     | <5       | 3        | 498      | 40       | 0.09 |
| W934666            |                          | 2.94     | 50       | 1.33     | 307      | <1       | 3.91     | 140      | 230      | 77       | 0.42     | <5       | 3        | 457      | 40       | 0.08 |
| W934667            |                          | 0.45     | 10       | 11.15    | 1300     | <1       | 0.03     | 1225     | 40       | 5        | 0.12     | <5       | 11       | 181      | <20      | 0.04 |
| W934668            |                          | 0.05     | <10      | 15.65    | 690      | <1       | 0.01     | 1680     | 30       | <2       | 0.01     | <5       | 14       | 55       | <20      | 0.03 |
| W934669            |                          | 0.05     | <10      | 15.70    | 754      | <1       | 0.02     | 1590     | 40       | 5        | 0.04     | <5       | 13       | 65       | <20      | 0.04 |
| W934670            |                          | 0.07     | 20       | 0.09     | 33       | <1       | 0.01     | 12       | 90       | <2       | <0.01    | <5       | 1        | 28       | <20      | 0.04 |
| W934671            |                          | 0.16     | 10       | 15.00    | 844      | 1        | 0.08     | 1385     | 80       | 7        | 0.17     | <5       | 12       | 109      | <20      | 0.04 |
| W934672            |                          | 0.74     | 10       | 14.00    | 927      | <1       | 0.09     | 1300     | 40       | 7        | 0.14     | <5       | 11       | 119      | <20      | 0.06 |
| W934673            |                          | 1.51     | 10       | 12.55    | 844      | <1       | 0.32     | 1275     | 40       | 7        | 0.08     | <5       | 12       | 161      | <20      | 0.08 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20055703**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W934634            |                                   | <10      | <10      | 67       | 10       | 54       |
| W934635            |                                   | <10      | <10      | 31       | 10       | 34       |
| W934636            |                                   | <10      | <10      | 40       | 10       | 30       |
| W934637            |                                   | <10      | <10      | 61       | 10       | 34       |
| W934638            |                                   | <10      | <10      | 34       | <10      | 19       |
| W934639            |                                   | <10      | <10      | 47       | <10      | 16       |
| W934640            |                                   | <10      | <10      | 297      | <10      | 91       |
| W934641            |                                   | <10      | <10      | 69       | <10      | 45       |
| W934642            |                                   | <10      | <10      | 115      | <10      | 101      |
| W934643            |                                   | <10      | <10      | 43       | <10      | 50       |
| W934644            |                                   | <10      | <10      | 53       | <10      | 69       |
| W934645            |                                   | <10      | <10      | 50       | <10      | 55       |
| W934646            |                                   | <10      | <10      | 49       | <10      | 61       |
| W934647            |                                   | <10      | <10      | 129      | <10      | 84       |
| W934648            |                                   | <10      | <10      | 133      | <10      | 69       |
| W934649            |                                   | <10      | <10      | 111      | 20       | 68       |
| W934650            |                                   | <10      | <10      | 4        | <10      | 3        |
| W934651            |                                   | <10      | <10      | 108      | 10       | 27       |
| W934652            |                                   | <10      | <10      | 77       | 10       | 17       |
| W934653            |                                   | <10      | <10      | 87       | <10      | 46       |
| W934654            |                                   | <10      | <10      | 123      | <10      | 133      |
| W934655            |                                   | <10      | <10      | 147      | <10      | 139      |
| W934656            |                                   | <10      | <10      | 157      | <10      | 112      |
| W934657            |                                   | <10      | <10      | 138      | <10      | 102      |
| W934658            |                                   | <10      | <10      | 147      | <10      | 126      |
| W934659            |                                   | <10      | <10      | 178      | <10      | 151      |
| W934660            |                                   | <10      | <10      | 309      | <10      | 93       |
| W934661            |                                   | <10      | <10      | 192      | <10      | 152      |
| W934662            |                                   | <10      | <10      | 127      | <10      | 67       |
| W934663            |                                   | <10      | <10      | 62       | <10      | 24       |
| W934664            |                                   | <10      | <10      | 95       | 20       | 90       |
| W934665            |                                   | <10      | <10      | 59       | <10      | 36       |
| W934666            |                                   | <10      | 10       | 52       | <10      | 30       |
| W934667            |                                   | <10      | <10      | 64       | <10      | 50       |
| W934668            |                                   | <10      | <10      | 78       | <10      | 46       |
| W934669            |                                   | <10      | <10      | 72       | <10      | 47       |
| W934670            |                                   | <10      | <10      | 6        | <10      | 3        |
| W934671            |                                   | <10      | <10      | 70       | <10      | 42       |
| W934672            |                                   | <10      | <10      | 72       | <10      | 47       |
| W934673            |                                   | <10      | <10      | 79       | <10      | 54       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20055703**

| Sample Description | Method  | WEI-21    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |     |
|--------------------|---------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|
|                    | Analyte | Recvd Wt. | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga  |
|                    | Units   | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm |
|                    | LOD     | 0.02      | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10  |
| W934674            |         | 3.38      | <0.01   | <0.5     | 2.09     | <5       | 50       | 3.3      | <2       | 3.34     | <0.5     | 66       | 953      | 33       | 4.52     | 10  |
| W934675            |         | 1.46      | <0.01   | <0.5     | 2.07     | <5       | 50       | 4.8      | <2       | 2.84     | <0.5     | 77       | 1150     | 50       | 5.18     | 10  |
| W934676            |         | 0.60      | 0.03    | 12.7     | 6.82     | <5       | 380      | 4.1      | 47       | 2.94     | <0.5     | 16       | 198      | 95       | 1.99     | 30  |
| W934677            |         | 1.53      | <0.01   | <0.5     | 2.14     | <5       | 20       | 1.7      | <2       | 3.25     | <0.5     | 75       | 1210     | 26       | 5.42     | 10  |
| W934678            |         | 1.45      | <0.01   | <0.5     | 2.35     | <5       | 110      | 0.8      | <2       | 7.15     | <0.5     | 63       | 1040     | 41       | 5.18     | 10  |
| W934679            |         | 1.52      | <0.01   | <0.5     | 7.61     | <5       | 1530     | 3.4      | <2       | 3.33     | <0.5     | 12       | 201      | 26       | 2.43     | 20  |
| W934680            |         | 0.06      | 0.52    | <0.5     | 6.97     | <5       | 150      | <0.5     | <2       | 7.20     | <0.5     | 46       | 159      | 162      | 8.28     | 20  |
| W934681            |         | 1.20      | <0.01   | <0.5     | 5.80     | <5       | 1770     | 2.5      | 2        | 3.64     | <0.5     | 40       | 267      | 14       | 5.36     | 20  |
| W934682            |         | 1.17      | <0.01   | <0.5     | 5.73     | <5       | 1830     | 2.8      | <2       | 4.27     | <0.5     | 32       | 347      | 13       | 5.02     | 20  |
| W934683            |         | 1.97      | <0.01   | <0.5     | 6.33     | <5       | 1460     | 3.0      | <2       | 4.54     | <0.5     | 31       | 285      | 60       | 5.32     | 20  |
| W934684            |         | 0.74      | <0.01   | <0.5     | 6.35     | <5       | 1360     | 3.0      | <2       | 4.42     | <0.5     | 29       | 360      | 97       | 4.28     | 20  |
| W934685            |         | 2.24      | <0.01   | <0.5     | 7.10     | <5       | 1540     | 2.1      | <2       | 3.54     | <0.5     | 29       | 244      | 130      | 4.77     | 20  |
| W934686            |         | 0.92      | <0.01   | <0.5     | 3.13     | <5       | 100      | 1.1      | <2       | 8.33     | <0.5     | 63       | 1150     | 35       | 6.22     | 10  |
| W934687            |         | 1.03      | <0.01   | <0.5     | 3.17     | <5       | 190      | 1.3      | <2       | 7.46     | <0.5     | 71       | 1075     | 35       | 5.94     | 10  |
| W934688            |         | 0.87      | <0.01   | <0.5     | 4.56     | <5       | 550      | 1.7      | <2       | 5.54     | <0.5     | 55       | 641      | 54       | 4.42     | 10  |
| W934689            |         | 1.71      | <0.01   | <0.5     | 2.82     | <5       | 60       | 1.1      | <2       | 6.00     | <0.5     | 72       | 1265     | 19       | 5.45     | 10  |
| W934690            |         | 0.26      | <0.01   | <0.5     | 1.73     | <5       | 20       | <0.5     | <2       | 0.04     | <0.5     | 1        | 25       | 6        | 0.87     | <10 |
| W934691            |         | 1.19      | <0.01   | <0.5     | 3.20     | <5       | 90       | 3.9      | <2       | 7.78     | <0.5     | 64       | 1200     | 18       | 5.74     | 10  |
| W934692            |         | 2.78      | 0.01    | <0.5     | 6.88     | <5       | 980      | 2.3      | <2       | 4.29     | <0.5     | 34       | 206      | 95       | 4.57     | 20  |
| W934693            |         | 1.09      | 0.01    | <0.5     | 7.61     | <5       | 1760     | 2.6      | <2       | 3.09     | <0.5     | 16       | 33       | 114      | 2.79     | 20  |
| W934694            |         | 2.74      | 0.12    | <0.5     | 8.10     | <5       | 2670     | 2.3      | <2       | 1.49     | <0.5     | 12       | 41       | 75       | 3.27     | 20  |
| W934695            |         | 0.63      | 0.52    | <0.5     | 5.41     | <5       | 1920     | 1.4      | <2       | 1.89     | <0.5     | 9        | 32       | 1110     | 2.31     | 10  |
| W934696            |         | 1.49      | 0.02    | <0.5     | 7.66     | <5       | 2640     | 2.2      | <2       | 2.63     | <0.5     | 13       | 40       | 64       | 3.24     | 20  |
| W934697            |         | 0.57      | <0.01   | <0.5     | 6.67     | <5       | 2390     | 1.8      | <2       | 3.44     | <0.5     | 11       | 31       | 60       | 2.83     | 20  |
| W934698            |         | 1.00      | <0.01   | <0.5     | 7.33     | <5       | 2380     | 2.0      | <2       | 2.22     | <0.5     | 12       | 35       | 26       | 3.06     | 20  |
| W934699            |         | 1.06      | <0.01   | <0.5     | 7.60     | <5       | 2500     | 2.2      | <2       | 2.33     | <0.5     | 12       | 35       | 25       | 3.11     | 20  |
| W934700            |         | 0.06      | 0.53    | <0.5     | 6.61     | <5       | 140      | <0.5     | <2       | 6.81     | 0.5      | 43       | 154      | 154      | 7.85     | 20  |
| W934701            |         | 1.49      | 0.03    | <0.5     | 8.01     | 6        | 2210     | 2.2      | <2       | 0.75     | <0.5     | 10       | 41       | 134      | 3.06     | 20  |
| W934702            |         | 3.34      | <0.01   | <0.5     | 7.70     | <5       | 2680     | 2.2      | 2        | 2.49     | <0.5     | 13       | 36       | 26       | 3.32     | 20  |
| W934703            |         | 1.42      | 0.16    | 1.7      | 6.64     | <5       | 1690     | 2.2      | 4        | 2.59     | <0.5     | 13       | 36       | 53       | 2.95     | 20  |
| W934704            |         | 2.26      | <0.01   | 1.9      | 7.76     | <5       | 2510     | 2.1      | 10       | 1.01     | <0.5     | 14       | 47       | 47       | 3.26     | 20  |
| W934705            |         | 1.47      | 0.02    | <0.5     | 6.74     | <5       | 860      | 1.9      | 3        | 1.42     | <0.5     | 12       | 39       | 63       | 2.85     | 20  |
| W934706            |         | 1.31      | 0.71    | <0.5     | 6.64     | <5       | 2390     | 2.0      | <2       | 2.83     | <0.5     | 12       | 31       | 71       | 2.83     | 20  |
| W934707            |         | 2.47      | 0.75    | <0.5     | 7.26     | <5       | 2180     | 2.1      | <2       | 2.11     | <0.5     | 12       | 34       | 33       | 2.93     | 20  |
| W934708            |         | 2.28      | 1.32    | 0.8      | 5.90     | <5       | 2470     | 1.9      | 2        | 1.70     | <0.5     | 11       | 41       | 72       | 2.34     | 20  |
| W934709            |         | 1.59      | 0.23    | <0.5     | 6.96     | 5        | 2510     | 2.3      | <2       | 2.45     | 0.6      | 14       | 42       | 215      | 3.00     | 20  |
| W934710            |         | 0.35      | <0.01   | <0.5     | 1.13     | <5       | 30       | <0.5     | <2       | 0.28     | <0.5     | 2        | 13       | 5        | 1.02     | <10 |
| W934711            |         | 0.42      | <0.01   | 0.8      | 7.20     | <5       | 2170     | 2.1      | 5        | 1.60     | <0.5     | 11       | 35       | 104      | 3.12     | 20  |
| W934712            |         | 3.00      | <0.01   | <0.5     | 7.61     | <5       | 2770     | 2.1      | <2       | 2.05     | <0.5     | 12       | 36       | 104      | 3.15     | 20  |
| W934713            |         | 3.23      | 0.45    | <0.5     | 7.35     | <5       | 2430     | 2.0      | 3        | 2.95     | <0.5     | 14       | 34       | 67       | 3.19     | 20  |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**CERTIFICATE OF ANALYSIS TM20055703**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| W934674            |                          | 1.19     | 10       | 12.75    | 725      | <1       | 0.06     | 1185     | 30       | 9        | 0.06     | 5        | 10       | 104      | <20      | 0.07 |
| W934675            |                          | 1.61     | 10       | 12.70    | 809      | <1       | 0.01     | 1330     | 60       | 6        | 0.17     | <5       | 14       | 99       | <20      | 0.09 |
| W934676            |                          | 1.01     | 60       | 2.61     | 668      | 14       | 4.80     | 222      | 50       | 1190     | 0.50     | <5       | 3        | 344      | 100      | 0.07 |
| W934677            |                          | 0.45     | <10      | 13.90    | 884      | <1       | 0.01     | 1325     | 50       | 3        | 0.03     | 5        | 14       | 76       | <20      | 0.05 |
| W934678            |                          | 0.26     | <10      | 11.35    | 1285     | <1       | 0.07     | 982      | 80       | 6        | 0.03     | <5       | 14       | 160      | <20      | 0.06 |
| W934679            |                          | 1.74     | 20       | 2.39     | 674      | <1       | 4.47     | 157      | 720      | 19       | 0.23     | 8        | 6        | 1095     | <20      | 0.15 |
| W934680            |                          | 0.20     | 10       | 4.40     | 1410     | 1        | 2.21     | 102      | 440      | <2       | 0.15     | 6        | 44       | 125      | <20      | 0.65 |
| W934681            |                          | 3.60     | 40       | 5.60     | 761      | <1       | 0.75     | 165      | 1690     | 10       | 0.73     | <5       | 18       | 446      | <20      | 0.22 |
| W934682            |                          | 2.55     | 40       | 4.92     | 1120     | <1       | 2.29     | 125      | 1640     | 16       | 0.23     | <5       | 20       | 575      | <20      | 0.31 |
| W934683            |                          | 1.91     | 50       | 4.43     | 1140     | <1       | 3.20     | 93       | 1900     | 16       | 0.18     | <5       | 21       | 533      | <20      | 0.36 |
| W934684            |                          | 1.23     | 40       | 5.21     | 1020     | <1       | 3.35     | 253      | 1090     | 18       | 0.32     | <5       | 15       | 530      | <20      | 0.23 |
| W934685            |                          | 1.43     | 40       | 4.10     | 659      | <1       | 3.76     | 128      | 1360     | 19       | 0.39     | <5       | 17       | 601      | <20      | 0.27 |
| W934686            |                          | 0.47     | 10       | 10.75    | 1535     | <1       | 0.02     | 1310     | 150      | 5        | 0.07     | <5       | 17       | 179      | <20      | 0.11 |
| W934687            |                          | 0.21     | 10       | 9.95     | 1445     | <1       | 0.07     | 1145     | 160      | 6        | 0.60     | <5       | 16       | 167      | <20      | 0.05 |
| W934688            |                          | 0.63     | 30       | 8.53     | 1080     | 3        | 1.82     | 757      | 290      | 12       | 0.60     | <5       | 13       | 313      | <20      | 0.06 |
| W934689            |                          | 0.05     | <10      | 11.10    | 1130     | 1        | 0.01     | 1085     | 50       | 4        | 0.04     | <5       | 17       | 141      | <20      | 0.02 |
| W934690            |                          | 0.05     | 20       | 0.06     | 40       | <1       | 0.02     | 7        | 50       | <2       | <0.01    | <5       | 1        | 23       | <20      | 0.03 |
| W934691            |                          | 0.43     | <10      | 9.71     | 1320     | 1        | 0.01     | 856      | 60       | 6        | 0.02     | <5       | 20       | 215      | <20      | 0.05 |
| W934692            |                          | 1.91     | 40       | 3.80     | 701      | 8        | 2.89     | 140      | 1470     | 6        | 1.54     | <5       | 17       | 294      | <20      | 0.19 |
| W934693            |                          | 1.62     | 40       | 1.57     | 601      | <1       | 4.88     | 41       | 1030     | 7        | 1.55     | <5       | 8        | 442      | <20      | 0.12 |
| W934694            |                          | 2.31     | 50       | 1.49     | 427      | <1       | 4.13     | 24       | 1380     | 28       | 0.33     | <5       | 9        | 1050     | 20       | 0.22 |
| W934695            |                          | 1.66     | 40       | 0.97     | 415      | 13       | 2.52     | 14       | 890      | 28       | 0.56     | <5       | 6        | 703      | <20      | 0.16 |
| W934696            |                          | 2.68     | 50       | 1.50     | 649      | <1       | 3.60     | 20       | 1330     | 23       | 0.10     | <5       | 9        | 1435     | 20       | 0.23 |
| W934697            |                          | 2.20     | 40       | 1.31     | 695      | <1       | 3.58     | 16       | 1190     | 33       | 0.43     | <5       | 8        | 681      | <20      | 0.20 |
| W934698            |                          | 2.56     | 50       | 1.38     | 566      | <1       | 3.34     | 16       | 1260     | 26       | 0.04     | <5       | 9        | 1385     | 20       | 0.23 |
| W934699            |                          | 2.67     | 50       | 1.42     | 593      | <1       | 3.46     | 16       | 1320     | 27       | 0.05     | <5       | 9        | 1450     | 20       | 0.23 |
| W934700            |                          | 0.19     | 10       | 4.15     | 1335     | 1        | 2.09     | 96       | 420      | <2       | 0.14     | <5       | 41       | 119      | <20      | 0.62 |
| W934701            |                          | 2.99     | 50       | 1.11     | 311      | 1        | 3.79     | 20       | 1460     | 30       | 0.14     | <5       | 9        | 573      | 20       | 0.22 |
| W934702            |                          | 2.72     | 50       | 1.53     | 631      | <1       | 3.54     | 17       | 1440     | 26       | 0.05     | <5       | 9        | 1540     | 20       | 0.25 |
| W934703            |                          | 2.87     | 40       | 1.21     | 634      | 133      | 2.87     | 16       | 1280     | 134      | 1.07     | <5       | 8        | 328      | <20      | 0.21 |
| W934704            |                          | 2.63     | 60       | 1.45     | 355      | <1       | 3.68     | 16       | 1380     | 130      | 0.38     | <5       | 9        | 910      | 20       | 0.23 |
| W934705            |                          | 1.41     | 50       | 0.94     | 399      | 5        | 4.04     | 16       | 1250     | 27       | 1.34     | <5       | 8        | 404      | <20      | 0.17 |
| W934706            |                          | 2.50     | 30       | 1.24     | 611      | 1        | 3.18     | 15       | 1250     | 26       | 0.69     | <5       | 8        | 524      | <20      | 0.21 |
| W934707            |                          | 2.57     | 40       | 1.22     | 623      | 1        | 3.35     | 16       | 1240     | 34       | 0.50     | <5       | 8        | 724      | 20       | 0.22 |
| W934708            |                          | 2.06     | 40       | 0.64     | 547      | 1        | 2.45     | 13       | 990      | 32       | 0.29     | <5       | 7        | 194      | <20      | 0.17 |
| W934709            |                          | 2.79     | 40       | 0.98     | 938      | <1       | 3.24     | 19       | 1290     | 29       | 0.42     | <5       | 8        | 426      | <20      | 0.22 |
| W934710            |                          | 0.06     | 10       | 0.17     | 101      | 1        | 0.11     | 3        | 80       | <2       | <0.01    | <5       | 2        | 27       | <20      | 0.06 |
| W934711            |                          | 1.75     | 50       | 1.39     | 492      | 42       | 4.06     | 15       | 1280     | 95       | 0.92     | <5       | 9        | 781      | 20       | 0.23 |
| W934712            |                          | 2.45     | 50       | 1.54     | 617      | 2        | 3.98     | 17       | 1410     | 46       | 0.58     | <5       | 9        | 946      | 20       | 0.25 |
| W934713            |                          | 2.38     | 40       | 1.36     | 668      | 1        | 3.77     | 17       | 1420     | 69       | 0.69     | <5       | 9        | 819      | 20       | 0.24 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20055703**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W934674            |                                   | <10      | 10       | 81       | <10      | 62       |
| W934675            |                                   | <10      | <10      | 83       | <10      | 82       |
| W934676            |                                   | <10      | 20       | 32       | <10      | 38       |
| W934677            |                                   | <10      | <10      | 87       | <10      | 70       |
| W934678            |                                   | <10      | <10      | 93       | <10      | 56       |
| W934679            |                                   | <10      | <10      | 80       | <10      | 50       |
| W934680            |                                   | <10      | <10      | 304      | <10      | 89       |
| W934681            |                                   | <10      | <10      | 158      | <10      | 96       |
| W934682            |                                   | <10      | <10      | 163      | <10      | 115      |
| W934683            |                                   | <10      | <10      | 162      | <10      | 122      |
| W934684            |                                   | <10      | <10      | 126      | <10      | 78       |
| W934685            |                                   | <10      | <10      | 136      | <10      | 63       |
| W934686            |                                   | <10      | <10      | 118      | <10      | 87       |
| W934687            |                                   | <10      | <10      | 144      | <10      | 98       |
| W934688            |                                   | <10      | <10      | 119      | <10      | 75       |
| W934689            |                                   | <10      | <10      | 106      | <10      | 71       |
| W934690            |                                   | <10      | <10      | 5        | <10      | 4        |
| W934691            |                                   | <10      | <10      | 155      | <10      | 86       |
| W934692            |                                   | <10      | <10      | 178      | 10       | 78       |
| W934693            |                                   | <10      | <10      | 88       | <10      | 42       |
| W934694            |                                   | <10      | <10      | 90       | <10      | 69       |
| W934695            |                                   | <10      | <10      | 58       | <10      | 52       |
| W934696            |                                   | 10       | <10      | 83       | <10      | 69       |
| W934697            |                                   | <10      | <10      | 75       | <10      | 63       |
| W934698            |                                   | <10      | <10      | 79       | <10      | 66       |
| W934699            |                                   | <10      | <10      | 81       | <10      | 68       |
| W934700            |                                   | <10      | <10      | 288      | <10      | 84       |
| W934701            |                                   | <10      | <10      | 90       | <10      | 76       |
| W934702            |                                   | 10       | <10      | 84       | <10      | 77       |
| W934703            |                                   | 10       | <10      | 83       | 10       | 59       |
| W934704            |                                   | <10      | <10      | 83       | <10      | 76       |
| W934705            |                                   | <10      | <10      | 66       | <10      | 53       |
| W934706            |                                   | <10      | <10      | 93       | <10      | 66       |
| W934707            |                                   | <10      | <10      | 94       | <10      | 64       |
| W934708            |                                   | <10      | <10      | 75       | <10      | 51       |
| W934709            |                                   | <10      | <10      | 89       | 10       | 64       |
| W934710            |                                   | 10       | <10      | 18       | <10      | 9        |
| W934711            |                                   | <10      | <10      | 74       | <10      | 66       |
| W934712            |                                   | 10       | <10      | 84       | <10      | 74       |
| W934713            |                                   | <10      | <10      | 92       | <10      | 72       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20055703**

| Sample Description | Method  | WEI-21    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |     |
|--------------------|---------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|
|                    | Analyte | Recvd Wt. | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga  |
|                    | Units   | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm |
|                    | LOD     | 0.02      | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10  |
| W934714            |         | 2.02      | 0.31    | 1.3      | 7.38     | <5       | 2640     | 2.0      | 7        | 2.66     | <0.5     | 13       | 34       | 90       | 3.21     | 20  |
| W934715            |         | 0.85      | 0.08    | 29.4     | 4.01     | <5       | 180      | 1.2      | 127      | 1.57     | <0.5     | 7        | 21       | 30       | 2.48     | 10  |
| W934716            |         | 1.88      | 0.01    | 0.7      | 6.87     | <5       | 2560     | 2.0      | <2       | 3.17     | <0.5     | 14       | 32       | 55       | 3.06     | 20  |
| W934717            |         | 0.78      | 0.54    | <0.5     | 6.97     | <5       | 2530     | 2.8      | 2        | 3.00     | <0.5     | 13       | 32       | 46       | 3.02     | 20  |
| W934718            |         | 0.73      | 0.26    | 4.6      | 5.82     | <5       | 1100     | 1.9      | 21       | 2.64     | 0.5      | 12       | 29       | 29       | 2.69     | 20  |
| W934719            |         | 1.95      | 0.01    | <0.5     | 7.45     | <5       | 2410     | 2.0      | <2       | 2.58     | <0.5     | 14       | 35       | 50       | 3.17     | 20  |
| W934720            |         | 0.06      | 0.53    | <0.5     | 7.07     | 9        | 150      | <0.5     | <2       | 7.20     | 1.2      | 48       | 164      | 168      | 8.52     | 20  |
| W934721            |         | 3.34      | <0.01   | <0.5     | 7.47     | <5       | 2690     | 2.0      | 3        | 2.72     | <0.5     | 14       | 33       | 51       | 3.23     | 20  |
| W934722            |         | 3.87      | 0.03    | <0.5     | 7.53     | <5       | 2390     | 2.0      | 3        | 2.79     | <0.5     | 14       | 33       | 45       | 3.29     | 20  |
| W934723            |         | 0.60      | 0.25    | 0.9      | 6.30     | <5       | 350      | 1.5      | 4        | 6.32     | <0.5     | 14       | 25       | 33       | 2.85     | 20  |
| W934724            |         | 2.77      | 0.02    | <0.5     | 7.31     | <5       | 2420     | 1.9      | <2       | 2.65     | <0.5     | 13       | 32       | 32       | 3.09     | 20  |
| W934725            |         | 0.57      | <0.01   | <0.5     | 7.01     | <5       | 3110     | 1.8      | 2        | 2.45     | <0.5     | 13       | 33       | 48       | 3.31     | 20  |
| W934726            |         | 4.81      | 0.02    | <0.5     | 7.36     | <5       | 2650     | 2.0      | <2       | 2.76     | <0.5     | 15       | 34       | 62       | 3.34     | 20  |
| W934727            |         | 3.64      | 0.01    | 0.8      | 7.42     | <5       | 2720     | 1.9      | 7        | 3.09     | <0.5     | 14       | 36       | 46       | 3.35     | 20  |
| W934728            |         | 1.88      | <0.01   | <0.5     | 7.63     | <5       | 2780     | 2.0      | <2       | 2.92     | <0.5     | 14       | 36       | 63       | 3.49     | 20  |
| W934729            |         | 0.94      | 0.51    | <0.5     | 7.10     | <5       | 900      | 1.8      | <2       | 3.86     | 0.5      | 14       | 27       | 55       | 3.08     | 20  |
| W934730            |         | 0.37      | <0.01   | <0.5     | 0.75     | <5       | 20       | <0.5     | <2       | 0.02     | <0.5     | <1       | 13       | 3        | 0.65     | <10 |
| W934731            |         | 3.74      | <0.01   | <0.5     | 7.54     | <5       | 2770     | 1.9      | <2       | 2.84     | <0.5     | 14       | 33       | 46       | 3.39     | 20  |
| W934732            |         | 0.35      | 0.01    | 0.6      | 7.20     | <5       | 3000     | 1.9      | 6        | 2.95     | <0.5     | 14       | 32       | 47       | 3.44     | 20  |
| W934733            |         | 0.35      | <0.01   | <0.5     | 7.38     | <5       | 3060     | 2.0      | 3        | 2.89     | <0.5     | 15       | 32       | 51       | 3.38     | 20  |
| W934734            |         | 1.48      | <0.01   | <0.5     | 7.76     | <5       | 2780     | 2.0      | 2        | 2.67     | <0.5     | 15       | 34       | 50       | 3.42     | 20  |
| W934735            |         | 2.74      | 0.27    | <0.5     | 7.44     | <5       | 2810     | 2.0      | 3        | 3.34     | <0.5     | 14       | 32       | 92       | 3.36     | 20  |
| W934736            |         | 1.22      | <0.01   | <0.5     | 7.00     | <5       | 1270     | 1.8      | <2       | 3.07     | <0.5     | 12       | 31       | 81       | 2.96     | 20  |
| W934737            |         | 0.95      | 1.86    | 1.4      | 6.31     | <5       | 2130     | 1.6      | <2       | 3.41     | <0.5     | 10       | 27       | 35       | 2.72     | 20  |
| W934738            |         | 1.00      | <0.01   | <0.5     | 7.30     | <5       | 2720     | 1.9      | <2       | 2.49     | <0.5     | 13       | 33       | 38       | 3.26     | 20  |
| W934739            |         | 1.55      | <0.01   | <0.5     | 6.88     | <5       | 2680     | 1.8      | <2       | 3.36     | <0.5     | 11       | 29       | 40       | 2.85     | 20  |
| W934740            |         | 0.06      | 0.51    | <0.5     | 6.59     | <5       | 140      | <0.5     | 2        | 6.69     | <0.5     | 41       | 152      | 154      | 7.81     | 20  |
| W934741            |         | 1.55      | 0.11    | <0.5     | 6.93     | <5       | 2180     | 1.9      | <2       | 2.90     | <0.5     | 11       | 31       | 24       | 2.82     | 20  |
| W934742            |         | 1.74      | 0.46    | <0.5     | 6.35     | <5       | 1810     | 1.9      | <2       | 3.21     | <0.5     | 10       | 28       | 28       | 2.59     | 20  |
| W934743            |         | 1.16      | 0.25    | 1.3      | 6.50     | <5       | 2080     | 1.8      | 6        | 3.04     | <0.5     | 10       | 26       | 56       | 2.70     | 20  |
| W934744            |         | 4.10      | 0.03    | <0.5     | 7.18     | <5       | 2450     | 2.0      | <2       | 3.06     | <0.5     | 11       | 32       | 36       | 3.03     | 20  |
| W934745            |         | 1.54      | 0.12    | 1.3      | 6.04     | <5       | 1710     | 1.8      | 5        | 2.38     | <0.5     | 9        | 27       | 37       | 2.55     | 20  |
| W934746            |         | 0.83      | 0.08    | 9.5      | 4.02     | <5       | 160      | 1.2      | 71       | 2.41     | <0.5     | 7        | 21       | 89       | 2.41     | 10  |
| W934747            |         | 2.09      | 0.01    | <0.5     | 6.85     | <5       | 3650     | 1.7      | 2        | 2.66     | <0.5     | 11       | 30       | 47       | 2.85     | 20  |
| W934748            |         | 1.16      | <0.01   | <0.5     | 7.82     | <5       | 2730     | 2.0      | 2        | 2.71     | <0.5     | 13       | 32       | 16       | 3.18     | 20  |
| W934749            |         | 0.83      | 0.01    | <0.5     | 7.21     | <5       | 2630     | 1.8      | <2       | 2.88     | <0.5     | 13       | 29       | 18       | 2.93     | 20  |
| W934750            |         | 0.27      | <0.01   | <0.5     | 0.74     | <5       | 40       | <0.5     | <2       | 0.02     | <0.5     | <1       | 12       | 3        | 0.62     | <10 |
| W934751            |         | 1.73      | 0.02    | <0.5     | 6.86     | <5       | 2520     | 2.2      | <2       | 3.08     | <0.5     | 12       | 32       | 46       | 2.87     | 20  |
| W934752            |         | 0.78      | 0.11    | 9.3      | 7.49     | <5       | 2740     | 1.9      | 21       | 3.39     | <0.5     | 12       | 29       | 44       | 2.97     | 20  |
| W934753            |         | 1.35      | 0.01    | <0.5     | 7.43     | <5       | 2600     | 1.9      | <2       | 2.84     | <0.5     | 12       | 30       | 39       | 2.95     | 20  |





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| W934714            |                          | 2.01     | 40       | 1.43     | 658      | <1       | 3.98     | 18       | 1370     | 150      | 0.97     | <5       | 9        | 703      | <20      | 0.23 |
| W934715            |                          | 0.62     | 30       | 0.69     | 302      | 43       | 2.59     | 8        | 810      | 2500     | 2.00     | <5       | 5        | 207      | <20      | 0.10 |
| W934716            |                          | 2.32     | 40       | 1.37     | 709      | <1       | 3.57     | 18       | 1330     | 95       | 0.70     | <5       | 8        | 556      | <20      | 0.23 |
| W934717            |                          | 3.80     | 40       | 1.45     | 712      | <1       | 1.28     | 18       | 1330     | 63       | 0.61     | <5       | 9        | 215      | <20      | 0.24 |
| W934718            |                          | 1.91     | 30       | 1.06     | 578      | 25       | 2.88     | 14       | 1130     | 375      | 1.25     | <5       | 7        | 275      | <20      | 0.18 |
| W934719            |                          | 2.36     | 40       | 1.42     | 584      | 8        | 3.58     | 17       | 1400     | 42       | 0.45     | <5       | 9        | 786      | 20       | 0.22 |
| W934720            |                          | 0.20     | <10      | 4.42     | 1410     | <1       | 2.27     | 108      | 470      | <2       | 0.16     | <5       | 43       | 120      | <20      | 0.67 |
| W934721            |                          | 2.59     | 40       | 1.54     | 665      | 5        | 3.51     | 18       | 1400     | 33       | 0.39     | <5       | 9        | 969      | 20       | 0.24 |
| W934722            |                          | 2.56     | 40       | 1.50     | 602      | 1        | 3.68     | 19       | 1470     | 39       | 0.45     | <5       | 9        | 806      | <20      | 0.24 |
| W934723            |                          | 1.72     | 60       | 0.81     | 873      | 13       | 3.32     | 20       | 1120     | 29       | 1.11     | <5       | 8        | 322      | <20      | 0.18 |
| W934724            |                          | 2.62     | 40       | 1.43     | 601      | <1       | 3.36     | 17       | 1390     | 30       | 0.32     | <5       | 9        | 931      | 20       | 0.24 |
| W934725            |                          | 2.15     | 40       | 1.49     | 605      | 105      | 3.26     | 16       | 1320     | 53       | 0.76     | <5       | 9        | 837      | <20      | 0.22 |
| W934726            |                          | 2.11     | 40       | 1.54     | 688      | 8        | 3.89     | 19       | 1480     | 28       | 0.59     | 5        | 9        | 823      | <20      | 0.24 |
| W934727            |                          | 2.12     | 50       | 1.60     | 694      | <1       | 3.85     | 19       | 1480     | 92       | 0.53     | <5       | 9        | 887      | <20      | 0.24 |
| W934728            |                          | 2.44     | 50       | 1.64     | 710      | <1       | 3.57     | 19       | 1460     | 22       | 0.32     | <5       | 10       | 1495     | 20       | 0.26 |
| W934729            |                          | 1.25     | 50       | 1.49     | 747      | 7        | 4.33     | 18       | 1620     | 24       | 1.51     | <5       | 9        | 466      | <20      | 0.19 |
| W934730            |                          | 0.05     | 10       | 0.01     | 30       | 1        | 0.02     | 1        | 70       | 2        | <0.01    | <5       | <1       | 28       | <20      | 0.03 |
| W934731            |                          | 2.37     | 50       | 1.65     | 713      | 1        | 3.60     | 19       | 1490     | 22       | 0.27     | <5       | 10       | 1180     | 20       | 0.26 |
| W934732            |                          | 2.07     | 50       | 1.51     | 667      | <1       | 3.44     | 18       | 1350     | 74       | 0.78     | <5       | 9        | 1055     | 20       | 0.24 |
| W934733            |                          | 2.21     | 50       | 1.61     | 677      | <1       | 3.48     | 17       | 1390     | 50       | 0.57     | <5       | 10       | 1140     | 20       | 0.25 |
| W934734            |                          | 2.66     | 50       | 1.70     | 699      | <1       | 3.60     | 19       | 1490     | 15       | 0.13     | <5       | 10       | 1395     | 20       | 0.27 |
| W934735            |                          | 2.21     | 50       | 1.55     | 690      | <1       | 3.60     | 17       | 1450     | 14       | 0.62     | <5       | 10       | 865      | 20       | 0.25 |
| W934736            |                          | 1.35     | 50       | 1.38     | 648      | 1        | 4.00     | 16       | 1310     | 30       | 1.23     | <5       | 9        | 785      | <20      | 0.23 |
| W934737            |                          | 1.47     | 40       | 1.18     | 625      | <1       | 3.36     | 14       | 1140     | 58       | 0.61     | <5       | 8        | 795      | <20      | 0.18 |
| W934738            |                          | 2.03     | 50       | 1.60     | 625      | <1       | 3.60     | 18       | 1360     | 71       | 0.46     | <5       | 9        | 977      | 20       | 0.24 |
| W934739            |                          | 2.18     | 40       | 1.16     | 646      | <1       | 3.58     | 15       | 1190     | 28       | 0.46     | <5       | 8        | 805      | <20      | 0.21 |
| W934740            |                          | 0.18     | <10      | 4.08     | 1300     | <1       | 2.08     | 95       | 410      | 4        | 0.14     | <5       | 41       | 117      | <20      | 0.62 |
| W934741            |                          | 2.42     | 40       | 1.28     | 598      | <1       | 3.05     | 16       | 1220     | 18       | 0.24     | <5       | 8        | 846      | <20      | 0.22 |
| W934742            |                          | 1.88     | 40       | 1.08     | 575      | 18       | 2.75     | 14       | 1090     | 20       | 0.75     | <5       | 8        | 560      | <20      | 0.19 |
| W934743            |                          | 1.86     | 30       | 1.22     | 621      | <1       | 3.71     | 14       | 1160     | 172      | 1.13     | <5       | 7        | 426      | <20      | 0.18 |
| W934744            |                          | 2.39     | 40       | 1.33     | 630      | <1       | 3.70     | 16       | 1230     | 28       | 0.38     | <5       | 8        | 854      | <20      | 0.22 |
| W934745            |                          | 1.74     | 40       | 0.99     | 467      | 303      | 2.80     | 13       | 950      | 55       | 0.99     | <5       | 7        | 340      | <20      | 0.17 |
| W934746            |                          | 1.08     | 30       | 0.90     | 570      | 480      | 1.99     | 10       | 630      | 108      | 1.44     | <5       | 5        | 447      | <20      | 0.10 |
| W934747            |                          | 2.41     | 50       | 1.34     | 539      | 10       | 3.05     | 18       | 1130     | 20       | 0.40     | <5       | 8        | 1730     | 20       | 0.19 |
| W934748            |                          | 2.56     | 50       | 1.47     | 662      | 1        | 3.60     | 16       | 1300     | 25       | 0.03     | 7        | 9        | 1565     | 20       | 0.24 |
| W934749            |                          | 2.01     | 40       | 1.36     | 632      | <1       | 3.85     | 14       | 1200     | 25       | 0.42     | 6        | 9        | 1100     | <20      | 0.21 |
| W934750            |                          | 0.06     | 10       | 0.02     | 33       | <1       | 0.02     | 2        | 60       | 2        | <0.01    | <5       | 1        | 23       | <20      | 0.02 |
| W934751            |                          | 2.52     | 40       | 1.30     | 653      | <1       | 3.57     | 15       | 1230     | 24       | 0.50     | <5       | 8        | 1070     | <20      | 0.21 |
| W934752            |                          | 1.72     | 40       | 1.34     | 658      | <1       | 4.15     | 16       | 1250     | 527      | 0.90     | <5       | 9        | 875      | <20      | 0.18 |
| W934753            |                          | 2.29     | 50       | 1.33     | 623      | 5        | 3.65     | 14       | 1200     | 24       | 0.37     | <5       | 9        | 1400     | 20       | 0.21 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20055703**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W934714            |                                   | <10      | <10      | 88       | <10      | 75       |
| W934715            |                                   | <10      | <10      | 39       | <10      | 30       |
| W934716            |                                   | <10      | <10      | 81       | 10       | 67       |
| W934717            |                                   | <10      | <10      | 89       | 20       | 77       |
| W934718            |                                   | <10      | <10      | 82       | 10       | 50       |
| W934719            |                                   | <10      | <10      | 83       | <10      | 74       |
| W934720            |                                   | <10      | <10      | 302      | <10      | 92       |
| W934721            |                                   | 10       | <10      | 85       | <10      | 76       |
| W934722            |                                   | <10      | <10      | 90       | <10      | 71       |
| W934723            |                                   | <10      | <10      | 81       | <10      | 41       |
| W934724            |                                   | <10      | <10      | 84       | <10      | 67       |
| W934725            |                                   | <10      | <10      | 78       | <10      | 69       |
| W934726            |                                   | <10      | <10      | 87       | <10      | 77       |
| W934727            |                                   | <10      | <10      | 89       | <10      | 81       |
| W934728            |                                   | 10       | <10      | 89       | <10      | 80       |
| W934729            |                                   | 10       | <10      | 80       | <10      | 63       |
| W934730            |                                   | 10       | <10      | 4        | <10      | 3        |
| W934731            |                                   | <10      | <10      | 89       | <10      | 79       |
| W934732            |                                   | <10      | <10      | 81       | <10      | 71       |
| W934733            |                                   | <10      | <10      | 86       | <10      | 75       |
| W934734            |                                   | <10      | <10      | 90       | <10      | 78       |
| W934735            |                                   | 10       | <10      | 87       | <10      | 74       |
| W934736            |                                   | <10      | <10      | 76       | <10      | 67       |
| W934737            |                                   | 10       | <10      | 65       | <10      | 67       |
| W934738            |                                   | <10      | <10      | 88       | <10      | 76       |
| W934739            |                                   | <10      | <10      | 77       | <10      | 54       |
| W934740            |                                   | <10      | <10      | 283      | <10      | 83       |
| W934741            |                                   | <10      | <10      | 79       | <10      | 60       |
| W934742            |                                   | <10      | <10      | 70       | <10      | 51       |
| W934743            |                                   | <10      | <10      | 72       | 10       | 51       |
| W934744            |                                   | <10      | <10      | 81       | <10      | 63       |
| W934745            |                                   | <10      | <10      | 62       | <10      | 43       |
| W934746            |                                   | <10      | <10      | 42       | <10      | 26       |
| W934747            |                                   | <10      | <10      | 75       | <10      | 59       |
| W934748            |                                   | <10      | <10      | 83       | <10      | 70       |
| W934749            |                                   | <10      | <10      | 71       | <10      | 61       |
| W934750            |                                   | <10      | <10      | 3        | <10      | 3        |
| W934751            |                                   | <10      | <10      | 82       | <10      | 61       |
| W934752            |                                   | <10      | <10      | 77       | <10      | 63       |
| W934753            |                                   | <10      | <10      | 79       | <10      | 62       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20055703**

| Sample Description | Method  | WEI-21    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|---------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    | Analyte | Recvd Wt. | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga       |
| Units              |         | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      |
| LOD                |         | 0.02      | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       |
| W934754            |         | 1.56      | 6.27    | <0.5     | 6.63     | <5       | 1870     | 2.0      | 3        | 3.64     | <0.5     | 11       | 27       | 35       | 2.59     | 20       |
| W934755            |         | 1.62      | 0.32    | <0.5     | 6.52     | <5       | 2210     | 2.2      | <2       | 3.09     | <0.5     | 10       | 29       | 44       | 2.75     | 20       |
| W934756            |         | 0.73      | 0.06    | <0.5     | 6.97     | <5       | 1440     | 1.8      | <2       | 3.07     | <0.5     | 12       | 31       | 21       | 2.86     | 20       |
| W934757            |         | 2.52      | 0.01    | <0.5     | 7.76     | <5       | 2600     | 2.0      | <2       | 3.45     | <0.5     | 12       | 32       | 59       | 3.13     | 20       |
| W934758            |         | 1.25      | 0.13    | <0.5     | 5.96     | <5       | 1390     | 2.3      | 3        | 2.30     | <0.5     | 10       | 27       | 7        | 2.51     | 20       |
| W934759            |         | 3.76      | 0.02    | <0.5     | 7.37     | <5       | 3020     | 2.2      | <2       | 3.18     | <0.5     | 12       | 32       | 36       | 3.21     | 20       |
| W934760            |         | 0.06      | 0.50    | <0.5     | 7.00     | 18       | 320      | 1.2      | 2        | 4.56     | <0.5     | 43       | 181      | 56       | 7.35     | 20       |
| W934761            |         | 1.27      | 0.25    | <0.5     | 5.57     | <5       | 1160     | 1.8      | <2       | 2.60     | <0.5     | 14       | 28       | 6        | 2.62     | 10       |
| W934762            |         | 1.86      | 0.05    | <0.5     | 7.49     | <5       | 2450     | 2.1      | <2       | 2.94     | <0.5     | 10       | 32       | 55       | 2.41     | 20       |
| W934763            |         | 1.46      | 0.35    | 0.9      | 5.44     | <5       | 1100     | 1.5      | 3        | 1.95     | <0.5     | 7        | 23       | 28       | 1.94     | 10       |
| W934764            |         | 3.46      | 0.01    | <0.5     | 7.23     | <5       | 2330     | 1.9      | <2       | 2.54     | <0.5     | 13       | 33       | 59       | 3.05     | 20       |
| W934765            |         | 1.95      | <0.01   | <0.5     | 6.95     | <5       | 2330     | 1.9      | <2       | 2.41     | <0.5     | 12       | 30       | 36       | 2.90     | 20       |
| W934766            |         | 1.97      | <0.01   | <0.5     | 7.29     | <5       | 2500     | 2.1      | <2       | 2.65     | <0.5     | 12       | 32       | 43       | 3.11     | 20       |
| W934767            |         | 1.52      | 1.55    | <0.5     | 6.83     | <5       | 1820     | 1.9      | 4        | 3.28     | <0.5     | 11       | 28       | 59       | 2.87     | 20       |
| W934768            |         | 1.46      | 0.62    | <0.5     | 6.73     | <5       | 2260     | 1.9      | 3        | 3.17     | <0.5     | 10       | 28       | 30       | 2.75     | 20       |
| W934769            |         | 2.02      | <0.01   | <0.5     | 7.62     | <5       | 2640     | 2.0      | <2       | 2.70     | <0.5     | 12       | 31       | 31       | 3.16     | 20       |
| W934770            |         | 0.33      | <0.01   | <0.5     | 0.64     | <5       | 20       | <0.5     | <2       | 0.02     | <0.5     | <1       | 16       | 2        | 0.74     | <10      |
| W934771            |         | 3.09      | 0.01    | <0.5     | 7.16     | <5       | 2520     | 1.9      | 3        | 2.71     | <0.5     | 12       | 31       | 45       | 2.98     | 20       |
| W934772            |         | 1.21      | 0.04    | <0.5     | 6.61     | <5       | 2220     | 1.7      | 2        | 2.66     | <0.5     | 10       | 36       | 36       | 2.77     | 20       |
| W934773            |         | 0.98      | 0.01    | <0.5     | 7.85     | <5       | 2460     | 2.1      | 2        | 2.68     | <0.5     | 14       | 31       | 31       | 3.22     | 20       |
| W934774            |         | 3.91      | 0.02    | <0.5     | 7.64     | <5       | 2410     | 1.9      | 2        | 2.87     | <0.5     | 11       | 34       | 27       | 3.04     | 20       |
| W934775            |         | 1.80      | 0.39    | <0.5     | 6.82     | <5       | 2300     | 2.1      | 2        | 3.29     | <0.5     | 12       | 28       | 118      | 2.94     | 20       |
| W934776            |         | 1.37      | 0.60    | <0.5     | 6.89     | <5       | 2110     | 2.2      | 2        | 2.76     | <0.5     | 9        | 27       | 35       | 2.81     | 20       |
| W934777            |         | 3.88      | 0.01    | <0.5     | 7.75     | <5       | 2560     | 2.0      | 2        | 2.69     | <0.5     | 13       | 31       | 26       | 3.18     | 20       |
| W934778            |         | 1.60      | 0.02    | 1.1      | 7.89     | <5       | 2560     | 2.2      | 6        | 2.34     | <0.5     | 12       | 31       | 72       | 3.23     | 20       |
| W934779            |         | 1.53      | 0.51    | 0.6      | 6.80     | <5       | 1950     | 2.1      | 3        | 3.42     | <0.5     | 11       | 29       | 153      | 3.16     | 20       |
| W934780            |         | 0.06      | 0.50    | <0.5     | 7.31     | 12       | 340      | 1.3      | 2        | 4.67     | <0.5     | 44       | 185      | 58       | 7.57     | 20       |
| W934781            |         | 2.82      | 0.07    | <0.5     | 7.63     | <5       | 2930     | 1.9      | 2        | 2.68     | <0.5     | 13       | 30       | 63       | 3.26     | 20       |
| W934782            |         | 2.79      | <0.01   | <0.5     | 7.92     | <5       | 2700     | 2.0      | 2        | 2.79     | <0.5     | 12       | 31       | 59       | 3.20     | 20       |
| W934783            |         | 1.45      | <0.01   | <0.5     | 7.60     | <5       | 2640     | 2.0      | 3        | 3.22     | <0.5     | 12       | 29       | 31       | 3.16     | 20       |
| W934784            |         | 1.68      | 0.11    | <0.5     | 8.02     | <5       | 1050     | 2.2      | <2       | 2.34     | <0.5     | 13       | 28       | 193      | 3.25     | 20       |
| W934785            |         | 0.81      | 0.01    | <0.5     | 6.59     | <5       | 1850     | 1.7      | 2        | 2.08     | <0.5     | 10       | 28       | 53       | 2.70     | 20       |
| W934786            |         | 2.09      | <0.01   | <0.5     | 7.80     | <5       | 2910     | 2.0      | <2       | 2.77     | <0.5     | 11       | 31       | 68       | 3.13     | 20       |
| W934787            |         | 2.29      | <0.01   | <0.5     | 7.87     | <5       | 2630     | 2.0      | <2       | 2.53     | <0.5     | 13       | 32       | 77       | 3.27     | 20       |
| W934788            |         | 1.04      | <0.01   | <0.5     | 6.43     | <5       | 920      | 2.0      | <2       | 5.61     | <0.5     | 20       | 210      | 119      | 4.26     | 20       |
| W934789            |         | 1.01      | 0.10    | <0.5     | 7.28     | <5       | 2600     | 1.8      | <2       | 2.69     | <0.5     | 15       | 29       | 252      | 2.99     | 20       |
| W934790            |         | 0.55      | 0.13    | 0.5      | 4.16     | <5       | 630      | 1.2      | <2       | 1.69     | <0.5     | 10       | 26       | 30       | 1.88     | 10       |
| W934791            |         | 0.34      | 10.30   | 42.8     | 4.59     | <5       | 140      | 1.2      | 126      | 1.73     | <0.5     | 12       | 21       | 42       | 2.90     | 10       |
| W934792            |         | 1.29      | 0.97    | 0.5      | 7.53     | <5       | 2370     | 2.1      | <2       | 3.01     | <0.5     | 14       | 31       | 43       | 3.11     | 20       |
| W934793            |         | 2.22      | 0.03    | <0.5     | 7.38     | <5       | 2340     | 2.0      | <2       | 2.99     | <0.5     | 13       | 31       | 41       | 3.15     | 20       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| W934754            |                          | 1.98     | 40       | 0.82     | 619      | <1       | 3.54     | 15       | 1250     | 26       | 1.22     | <5       | 7        | 1265     | <20      | 0.18 |
| W934755            |                          | 2.57     | 40       | 1.20     | 657      | <1       | 2.71     | 15       | 1190     | 22       | 0.66     | <5       | 8        | 618      | <20      | 0.20 |
| W934756            |                          | 1.71     | 50       | 1.21     | 579      | 250      | 3.66     | 14       | 1160     | 47       | 0.96     | <5       | 8        | 982      | <20      | 0.20 |
| W934757            |                          | 2.41     | 50       | 1.42     | 730      | 7        | 3.82     | 17       | 1340     | 29       | 0.43     | <5       | 9        | 847      | <20      | 0.24 |
| W934758            |                          | 2.24     | 40       | 1.09     | 515      | 1        | 2.14     | 14       | 1110     | 10       | 1.33     | <5       | 7        | 252      | <20      | 0.13 |
| W934759            |                          | 2.03     | 40       | 1.46     | 706      | <1       | 3.75     | 17       | 1360     | 18       | 0.57     | <5       | 9        | 780      | <20      | 0.22 |
| W934760            |                          | 0.85     | 20       | 2.96     | 938      | 3        | 1.75     | 151      | 1160     | 14       | 0.01     | <5       | 18       | 363      | <20      | 0.91 |
| W934761            |                          | 1.74     | 40       | 0.94     | 527      | <1       | 2.15     | 13       | 950      | 11       | 1.32     | <5       | 7        | 307      | <20      | 0.17 |
| W934762            |                          | 2.59     | 40       | 1.11     | 616      | <1       | 3.57     | 13       | 1410     | 7        | 0.53     | <5       | 8        | 382      | <20      | 0.25 |
| W934763            |                          | 1.13     | 40       | 0.81     | 447      | 1        | 3.15     | 10       | 1020     | 53       | 1.01     | <5       | 5        | 274      | <20      | 0.12 |
| W934764            |                          | 1.69     | 40       | 1.44     | 616      | <1       | 4.01     | 17       | 1310     | 26       | 0.72     | <5       | 9        | 794      | <20      | 0.21 |
| W934765            |                          | 2.10     | 50       | 1.40     | 579      | <1       | 3.42     | 15       | 1260     | 25       | 0.41     | <5       | 9        | 944      | 20       | 0.22 |
| W934766            |                          | 2.29     | 50       | 1.47     | 639      | <1       | 3.55     | 16       | 1320     | 29       | 0.36     | <5       | 9        | 1025     | <20      | 0.23 |
| W934767            |                          | 1.50     | 40       | 1.22     | 661      | <1       | 4.22     | 15       | 1270     | 23       | 1.25     | <5       | 8        | 509      | <20      | 0.20 |
| W934768            |                          | 1.89     | 50       | 1.12     | 619      | <1       | 3.48     | 13       | 1170     | 42       | 0.93     | <5       | 8        | 494      | <20      | 0.20 |
| W934769            |                          | 2.67     | 50       | 1.44     | 635      | 2        | 3.57     | 16       | 1330     | 29       | 0.17     | <5       | 9        | 1100     | 20       | 0.23 |
| W934770            |                          | 0.04     | 10       | 0.01     | 31       | <1       | 0.01     | 2        | 50       | <2       | <0.01    | <5       | <1       | 23       | <20      | 0.03 |
| W934771            |                          | 2.11     | 50       | 1.30     | 613      | 1        | 3.63     | 16       | 1230     | 64       | 0.59     | <5       | 9        | 904      | 20       | 0.20 |
| W934772            |                          | 2.11     | 40       | 1.21     | 583      | <1       | 3.29     | 16       | 1150     | 36       | 0.58     | <5       | 8        | 652      | <20      | 0.20 |
| W934773            |                          | 2.70     | 50       | 1.47     | 608      | <1       | 3.65     | 21       | 1350     | 41       | 0.11     | <5       | 9        | 931      | 20       | 0.23 |
| W934774            |                          | 2.40     | 50       | 1.39     | 617      | <1       | 3.70     | 19       | 1280     | 32       | 0.31     | <5       | 9        | 1055     | 20       | 0.22 |
| W934775            |                          | 2.46     | 40       | 1.31     | 703      | 1        | 3.59     | 18       | 1240     | 28       | 0.80     | <5       | 8        | 683      | <20      | 0.20 |
| W934776            |                          | 2.29     | 40       | 1.21     | 563      | <1       | 3.00     | 15       | 1160     | 21       | 0.78     | <5       | 8        | 468      | <20      | 0.19 |
| W934777            |                          | 2.70     | 50       | 1.45     | 622      | 2        | 3.53     | 18       | 1300     | 28       | 0.18     | <5       | 9        | 1245     | 20       | 0.24 |
| W934778            |                          | 2.03     | 50       | 1.52     | 630      | <1       | 4.09     | 18       | 1310     | 129      | 0.90     | <5       | 9        | 914      | 20       | 0.23 |
| W934779            |                          | 2.16     | 40       | 1.14     | 697      | 1        | 3.42     | 15       | 1190     | 71       | 1.24     | <5       | 8        | 584      | <20      | 0.20 |
| W934780            |                          | 0.88     | 20       | 3.02     | 968      | 3        | 1.82     | 153      | 1190     | 14       | 0.02     | <5       | 19       | 373      | <20      | 0.94 |
| W934781            |                          | 2.36     | 50       | 1.58     | 601      | <1       | 3.66     | 16       | 1310     | 30       | 0.49     | <5       | 9        | 932      | 20       | 0.23 |
| W934782            |                          | 2.86     | 50       | 1.52     | 624      | <1       | 3.54     | 18       | 1360     | 23       | 0.09     | <5       | 9        | 1135     | 20       | 0.24 |
| W934783            |                          | 2.16     | 50       | 1.24     | 645      | <1       | 3.85     | 15       | 1320     | 13       | 0.88     | <5       | 9        | 508      | 20       | 0.22 |
| W934784            |                          | 1.72     | 50       | 1.38     | 566      | 6        | 4.26     | 17       | 1320     | 13       | 1.67     | <5       | 9        | 503      | <20      | 0.20 |
| W934785            |                          | 1.51     | 40       | 1.28     | 611      | <1       | 3.67     | 14       | 1090     | 27       | 1.10     | <5       | 8        | 503      | <20      | 0.17 |
| W934786            |                          | 2.60     | 50       | 1.53     | 607      | <1       | 3.68     | 17       | 1360     | 23       | 0.36     | <5       | 9        | 903      | <20      | 0.21 |
| W934787            |                          | 2.71     | 50       | 1.59     | 620      | <1       | 3.90     | 18       | 1370     | 23       | 0.54     | <5       | 9        | 853      | <20      | 0.21 |
| W934788            |                          | 2.07     | 40       | 3.27     | 1195     | <1       | 2.91     | 69       | 1580     | 11       | 0.24     | <5       | 17       | 307      | <20      | 0.29 |
| W934789            |                          | 2.50     | 50       | 1.43     | 763      | <1       | 3.92     | 18       | 1260     | 11       | 1.01     | <5       | 9        | 422      | <20      | 0.20 |
| W934790            |                          | 1.02     | 30       | 1.02     | 527      | 20       | 2.33     | 13       | 730      | 8        | 0.85     | <5       | 5        | 266      | <20      | 0.10 |
| W934791            |                          | 0.72     | 30       | 0.82     | 427      | <1       | 2.92     | 12       | 890      | 660      | 2.40     | <5       | 4        | 193      | <20      | 0.09 |
| W934792            |                          | 2.74     | 50       | 1.40     | 713      | <1       | 3.60     | 17       | 1350     | 25       | 1.01     | <5       | 9        | 490      | <20      | 0.23 |
| W934793            |                          | 2.38     | 40       | 1.48     | 749      | <1       | 4.01     | 16       | 1320     | 15       | 0.72     | <5       | 9        | 571      | <20      | 0.22 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20055703**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W934754            |                                   | <10      | <10      | 82       | <10      | 51       |
| W934755            |                                   | <10      | <10      | 83       | 10       | 53       |
| W934756            |                                   | <10      | <10      | 71       | <10      | 57       |
| W934757            |                                   | <10      | <10      | 83       | <10      | 68       |
| W934758            |                                   | <10      | <10      | 72       | <10      | 50       |
| W934759            |                                   | <10      | <10      | 81       | <10      | 60       |
| W934760            |                                   | <10      | <10      | 141      | <10      | 128      |
| W934761            |                                   | <10      | <10      | 56       | 10       | 43       |
| W934762            |                                   | <10      | <10      | 71       | 20       | 48       |
| W934763            |                                   | <10      | <10      | 43       | <10      | 31       |
| W934764            |                                   | <10      | <10      | 79       | <10      | 63       |
| W934765            |                                   | 10       | <10      | 78       | <10      | 67       |
| W934766            |                                   | <10      | <10      | 82       | <10      | 70       |
| W934767            |                                   | <10      | <10      | 90       | <10      | 57       |
| W934768            |                                   | <10      | <10      | 91       | <10      | 58       |
| W934769            |                                   | 10       | <10      | 84       | <10      | 69       |
| W934770            |                                   | <10      | <10      | 5        | <10      | 3        |
| W934771            |                                   | <10      | <10      | 78       | <10      | 64       |
| W934772            |                                   | <10      | <10      | 75       | <10      | 62       |
| W934773            |                                   | <10      | <10      | 85       | <10      | 82       |
| W934774            |                                   | <10      | <10      | 80       | <10      | 70       |
| W934775            |                                   | <10      | <10      | 83       | 10       | 62       |
| W934776            |                                   | <10      | <10      | 92       | <10      | 58       |
| W934777            |                                   | <10      | <10      | 83       | <10      | 66       |
| W934778            |                                   | <10      | <10      | 82       | <10      | 70       |
| W934779            |                                   | 10       | <10      | 88       | <10      | 54       |
| W934780            |                                   | <10      | <10      | 145      | <10      | 131      |
| W934781            |                                   | <10      | <10      | 83       | <10      | 69       |
| W934782            |                                   | 10       | <10      | 86       | <10      | 68       |
| W934783            |                                   | <10      | <10      | 79       | <10      | 65       |
| W934784            |                                   | <10      | <10      | 78       | <10      | 63       |
| W934785            |                                   | <10      | <10      | 67       | <10      | 51       |
| W934786            |                                   | 10       | <10      | 84       | <10      | 78       |
| W934787            |                                   | 10       | <10      | 84       | <10      | 71       |
| W934788            |                                   | <10      | <10      | 133      | <10      | 62       |
| W934789            |                                   | <10      | <10      | 74       | <10      | 39       |
| W934790            |                                   | <10      | <10      | 43       | <10      | 23       |
| W934791            |                                   | <10      | <10      | 40       | <10      | 25       |
| W934792            |                                   | <10      | <10      | 89       | <10      | 50       |
| W934793            |                                   | <10      | <10      | 85       | <10      | 53       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Plus Appendix Pages  
 Finalized Date: 7-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20055703**

| Sample Description | Method  | WEI-21    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |     |
|--------------------|---------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|
|                    | Analyte | Recvd Wt. | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga  |
|                    | Units   | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm |
|                    | LOD     | 0.02      | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10  |
| W934794            |         | 1.80      | <0.01   | <0.5     | 8.05     | <5       | 2580     | 2.0      | <2       | 1.96     | <0.5     | 14       | 32       | 27       | 3.40     | 20  |
| W934795            |         | 1.21      | <0.01   | <0.5     | 7.61     | <5       | 2430     | 2.1      | <2       | 2.36     | <0.5     | 12       | 30       | 67       | 3.10     | 20  |
| W934796            |         | 2.52      | <0.01   | <0.5     | 8.15     | <5       | 2660     | 2.0      | <2       | 2.83     | <0.5     | 14       | 35       | 42       | 3.46     | 20  |
| W934797            |         | 2.27      | <0.01   | <0.5     | 7.78     | <5       | 2740     | 2.0      | 3        | 2.69     | <0.5     | 13       | 29       | 35       | 3.20     | 20  |
| W934798            |         | 0.57      | 0.26    | <0.5     | 6.85     | <5       | 2450     | 1.8      | 3        | 2.70     | <0.5     | 11       | 28       | 22       | 2.87     | 20  |
| W934799            |         | 0.43      | 0.89    | <0.5     | 7.63     | <5       | 2420     | 2.1      | 3        | 2.90     | <0.5     | 12       | 30       | 39       | 3.10     | 20  |
| W934800            |         | 0.06      | 0.51    | <0.5     | 7.09     | 13       | 320      | 1.2      | 4        | 4.49     | <0.5     | 44       | 176      | 57       | 7.46     | 20  |
| W934801            |         | 1.75      | <0.01   | <0.5     | 7.48     | <5       | 2430     | 1.8      | 4        | 2.22     | <0.5     | 10       | 32       | 30       | 2.94     | 20  |
| W934802            |         | 1.30      | 0.19    | <0.5     | 6.98     | <5       | 1960     | 1.9      | <2       | 2.66     | <0.5     | 11       | 32       | 44       | 2.91     | 20  |
| W934803            |         | 1.37      | 0.93    | 2.2      | 7.29     | <5       | 2190     | 2.1      | 2        | 2.60     | <0.5     | 10       | 32       | 26       | 2.97     | 20  |
| W934804            |         | 1.22      | 0.05    | <0.5     | 7.46     | <5       | 2510     | 2.0      | <2       | 2.56     | <0.5     | 11       | 34       | 30       | 3.17     | 20  |
| W934805            |         | 1.89      | 0.30    | 0.5      | 7.09     | <5       | 2210     | 2.4      | <2       | 3.21     | <0.5     | 11       | 33       | 28       | 3.02     | 20  |
| W934806            |         | 1.38      | <0.01   | <0.5     | 7.95     | <5       | 2650     | 2.1      | 2        | 2.58     | <0.5     | 13       | 36       | 23       | 3.28     | 20  |
| W934807            |         | 0.85      | 0.09    | <0.5     | 7.16     | <5       | 1580     | 2.0      | <2       | 3.35     | <0.5     | 11       | 30       | 39       | 3.05     | 20  |
| W934808            |         | 2.71      | <0.01   | <0.5     | 7.74     | <5       | 2610     | 2.0      | <2       | 2.76     | <0.5     | 12       | 37       | 19       | 3.26     | 20  |
| W934809            |         | 2.02      | <0.01   | <0.5     | 8.17     | <5       | 2570     | 2.2      | <2       | 2.90     | <0.5     | 12       | 38       | 48       | 3.47     | 20  |
| W934810            |         | 0.31      | <0.01   | <0.5     | 1.29     | <5       | 20       | <0.5     | <2       | 0.02     | <0.5     | <1       | 12       | 3        | 0.76     | <10 |
| W934811            |         | 2.61      | <0.01   | <0.5     | 8.27     | <5       | 2540     | 2.2      | <2       | 2.81     | <0.5     | 13       | 37       | 14       | 3.41     | 20  |
| W934812            |         | 3.47      | 0.15    | <0.5     | 7.41     | <5       | 2250     | 2.2      | <2       | 3.08     | <0.5     | 12       | 32       | 18       | 3.28     | 20  |
| W934813            |         | 2.50      | 0.02    | <0.5     | 7.22     | <5       | 2620     | 2.5      | 2        | 3.05     | <0.5     | 11       | 32       | 20       | 3.14     | 20  |
| W934814            |         | 0.95      | 0.05    | <0.5     | 7.72     | <5       | 2900     | 2.0      | 2        | 3.29     | <0.5     | 12       | 33       | 35       | 3.35     | 20  |
| W934815            |         | 1.14      | <0.01   | <0.5     | 8.01     | <5       | 2560     | 2.1      | <2       | 2.62     | <0.5     | 13       | 33       | 11       | 3.38     | 20  |
| W934816            |         | 1.56      | 0.03    | <0.5     | 7.52     | <5       | 2430     | 2.3      | 4        | 3.43     | <0.5     | 12       | 31       | 25       | 3.38     | 20  |
| W934817            |         | 0.65      | 0.26    | 1.7      | 7.74     | <5       | 2630     | 2.2      | 10       | 3.48     | <0.5     | 14       | 31       | 47       | 3.50     | 20  |
| W934818            |         | 1.52      | 0.27    | <0.5     | 7.52     | <5       | 2670     | 2.2      | <2       | 2.82     | <0.5     | 13       | 31       | 29       | 3.40     | 20  |
| W934819            |         | 1.65      | 0.02    | <0.5     | 8.07     | <5       | 2640     | 2.2      | <2       | 2.98     | <0.5     | 14       | 34       | 12       | 3.50     | 20  |
| W934820            |         | 0.06      | 0.51    | <0.5     | 7.48     | 16       | 330      | 1.4      | 4        | 4.65     | <0.5     | 45       | 188      | 57       | 8.01     | 20  |
| W934821            |         | 1.98      | <0.01   | <0.5     | 8.18     | <5       | 2680     | 2.1      | 2        | 2.84     | <0.5     | 12       | 33       | 21       | 3.49     | 20  |
| W934822            |         | 0.68      | 0.05    | <0.5     | 7.57     | <5       | 2940     | 2.2      | 3        | 3.67     | <0.5     | 12       | 28       | 21       | 3.43     | 20  |
| W934823            |         | 2.59      | 0.01    | <0.5     | 7.84     | <5       | 2600     | 2.2      | <2       | 3.18     | <0.5     | 13       | 32       | 33       | 3.53     | 20  |
| W934824            |         | 0.78      | 0.01    | <0.5     | 7.19     | <5       | 2720     | 2.6      | <2       | 3.12     | <0.5     | 11       | 28       | 21       | 3.05     | 20  |
| W934825            |         | 0.79      | 0.04    | <0.5     | 7.22     | <5       | 2950     | 2.0      | <2       | 3.13     | <0.5     | 12       | 28       | 29       | 3.21     | 20  |
| W934826            |         | 3.67      | <0.01   | <0.5     | 8.07     | <5       | 2690     | 2.1      | 3        | 2.97     | <0.5     | 13       | 33       | 32       | 3.54     | 20  |
| W934827            |         | 1.37      | 0.10    | <0.5     | 6.78     | <5       | 2420     | 2.5      | <2       | 3.42     | <0.5     | 11       | 30       | 35       | 3.14     | 20  |
| W934828            |         | 0.83      | 0.40    | 1.8      | 7.29     | <5       | 3470     | 2.7      | 5        | 3.07     | <0.5     | 12       | 37       | 35       | 3.56     | 20  |
| W934829            |         | 1.87      | 0.14    | <0.5     | 7.37     | <5       | 2720     | 2.4      | <2       | 3.50     | <0.5     | 13       | 31       | 30       | 3.39     | 20  |
| W934830            |         | 0.26      | <0.01   | <0.5     | 0.67     | <5       | 30       | <0.5     | <2       | 0.03     | <0.5     | <1       | 12       | 1        | 0.80     | <10 |
| W934831            |         | 3.84      | <0.01   | <0.5     | 8.39     | <5       | 2770     | 2.3      | 2        | 2.89     | <0.5     | 13       | 34       | 24       | 3.65     | 20  |
| W934832            |         | 0.30      | <0.01   | <0.5     | 7.72     | <5       | 2740     | 2.1      | <2       | 2.78     | <0.5     | 13       | 30       | 44       | 3.52     | 20  |
| W934833            |         | 0.41      | <0.01   | <0.5     | 8.14     | <5       | 2660     | 2.2      | <2       | 2.75     | <0.5     | 13       | 31       | 53       | 3.62     | 20  |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 800 WEST PENDER ST, 320  
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**CERTIFICATE OF ANALYSIS TM20055703**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
|                    |                          | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01 |
| W934794            |                          | 2.78     | 60       | 1.87     | 638      | <1       | 3.72     | 18       | 1390     | 20       | 0.38     | <5       | 10       | 712      | 20       | 0.20 |
| W934795            |                          | 1.86     | 60       | 1.58     | 692      | <1       | 4.14     | 16       | 1290     | 17       | 0.97     | <5       | 9        | 684      | 20       | 0.21 |
| W934796            |                          | 2.51     | 50       | 1.67     | 668      | <1       | 3.82     | 19       | 1470     | 32       | 0.42     | <5       | 10       | 1020     | 20       | 0.24 |
| W934797            |                          | 2.22     | 50       | 1.57     | 662      | <1       | 4.02     | 18       | 1350     | 24       | 0.66     | <5       | 9        | 920      | 20       | 0.21 |
| W934798            |                          | 2.08     | 40       | 1.34     | 633      | <1       | 3.65     | 15       | 1210     | 19       | 0.65     | <5       | 8        | 750      | <20      | 0.18 |
| W934799            |                          | 2.60     | 50       | 1.41     | 664      | <1       | 3.80     | 17       | 1290     | 23       | 0.86     | <5       | 9        | 773      | 20       | 0.23 |
| W934800            |                          | 0.86     | 20       | 2.92     | 932      | 2        | 1.79     | 154      | 1150     | 15       | 0.01     | <5       | 18       | 370      | <20      | 0.91 |
| W934801            |                          | 2.70     | 50       | 1.42     | 505      | <1       | 3.24     | 17       | 1270     | 17       | 0.11     | <5       | 9        | 944      | 20       | 0.22 |
| W934802            |                          | 2.13     | 40       | 1.38     | 610      | 3        | 3.53     | 16       | 1240     | 20       | 0.52     | <5       | 8        | 668      | <20      | 0.20 |
| W934803            |                          | 2.36     | 40       | 1.40     | 594      | <1       | 3.44     | 16       | 1320     | 56       | 0.79     | <5       | 8        | 588      | <20      | 0.20 |
| W934804            |                          | 2.41     | 50       | 1.53     | 586      | <1       | 3.56     | 17       | 1380     | 22       | 0.36     | <5       | 9        | 966      | <20      | 0.23 |
| W934805            |                          | 2.58     | 40       | 1.48     | 684      | <1       | 3.05     | 18       | 1380     | 17       | 0.82     | <5       | 8        | 453      | <20      | 0.21 |
| W934806            |                          | 2.80     | 50       | 1.59     | 640      | <1       | 3.67     | 18       | 1390     | 22       | 0.17     | <5       | 9        | 1325     | 20       | 0.24 |
| W934807            |                          | 1.67     | 40       | 1.40     | 713      | <1       | 4.20     | 16       | 1290     | 24       | 1.36     | <5       | 8        | 583      | <20      | 0.18 |
| W934808            |                          | 2.75     | 50       | 1.55     | 671      | <1       | 3.59     | 18       | 1360     | 24       | 0.12     | <5       | 9        | 1295     | 20       | 0.24 |
| W934809            |                          | 2.78     | 50       | 1.65     | 715      | <1       | 3.81     | 21       | 1350     | 28       | 0.09     | <5       | 10       | 1365     | 20       | 0.26 |
| W934810            |                          | 0.05     | 20       | 0.02     | 35       | <1       | 0.02     | 4        | 70       | <2       | <0.01    | <5       | 1        | 26       | <20      | 0.03 |
| W934811            |                          | 2.90     | 50       | 1.62     | 686      | 1        | 3.81     | 20       | 1380     | 25       | 0.07     | <5       | 10       | 1365     | 20       | 0.26 |
| W934812            |                          | 2.48     | 40       | 1.40     | 674      | 1        | 3.90     | 19       | 1390     | 21       | 0.77     | <5       | 8        | 597      | <20      | 0.22 |
| W934813            |                          | 3.29     | 50       | 1.49     | 707      | <1       | 3.14     | 19       | 1290     | 20       | 0.17     | <5       | 8        | 424      | <20      | 0.24 |
| W934814            |                          | 2.28     | 50       | 1.44     | 718      | 1        | 3.94     | 20       | 1270     | 73       | 0.44     | <5       | 9        | 733      | <20      | 0.24 |
| W934815            |                          | 2.89     | 50       | 1.50     | 669      | <1       | 3.79     | 18       | 1300     | 27       | 0.04     | <5       | 9        | 1035     | <20      | 0.25 |
| W934816            |                          | 2.40     | 40       | 1.40     | 675      | 1        | 3.70     | 18       | 1320     | 31       | 0.40     | <5       | 9        | 855      | <20      | 0.25 |
| W934817            |                          | 2.43     | 50       | 1.42     | 712      | 1        | 3.89     | 17       | 1330     | 214      | 0.66     | <5       | 9        | 888      | <20      | 0.25 |
| W934818            |                          | 2.34     | 40       | 1.39     | 643      | 1        | 3.85     | 16       | 1410     | 24       | 1.13     | <5       | 9        | 649      | <20      | 0.22 |
| W934819            |                          | 2.80     | 50       | 1.56     | 702      | 1        | 3.78     | 20       | 1360     | 26       | 0.15     | <5       | 10       | 1430     | <20      | 0.26 |
| W934820            |                          | 0.90     | 20       | 3.07     | 962      | 3        | 1.90     | 155      | 1160     | 13       | 0.02     | <5       | 19       | 361      | <20      | 0.96 |
| W934821            |                          | 2.68     | 50       | 1.57     | 688      | 1        | 3.78     | 20       | 1350     | 26       | 0.03     | <5       | 10       | 1610     | 20       | 0.26 |
| W934822            |                          | 2.14     | 40       | 1.47     | 735      | 1        | 4.10     | 16       | 1440     | 23       | 0.60     | <5       | 9        | 799      | <20      | 0.23 |
| W934823            |                          | 2.66     | 40       | 1.52     | 686      | 1        | 3.72     | 18       | 1370     | 28       | 0.24     | <5       | 9        | 3050     | 20       | 0.25 |
| W934824            |                          | 3.02     | 40       | 1.40     | 688      | <1       | 3.34     | 16       | 1290     | 18       | 0.37     | <5       | 8        | 2250     | 20       | 0.21 |
| W934825            |                          | 2.29     | 40       | 1.29     | 644      | <1       | 3.95     | 16       | 1270     | 27       | 0.39     | <5       | 8        | 1420     | <20      | 0.21 |
| W934826            |                          | 2.69     | 50       | 1.59     | 693      | <1       | 3.82     | 19       | 1410     | 30       | 0.11     | <5       | 10       | 1300     | <20      | 0.26 |
| W934827            |                          | 2.76     | 30       | 1.47     | 718      | 1        | 3.38     | 17       | 1290     | 28       | 0.59     | <5       | 8        | 649      | <20      | 0.24 |
| W934828            |                          | 3.00     | 40       | 1.51     | 698      | 3        | 3.08     | 18       | 1420     | 115      | 0.96     | <5       | 9        | 839      | <20      | 0.23 |
| W934829            |                          | 2.83     | 40       | 1.49     | 763      | 1        | 3.50     | 18       | 1330     | 23       | 0.41     | <5       | 9        | 749      | <20      | 0.25 |
| W934830            |                          | 0.05     | 10       | 0.02     | 38       | <1       | 0.02     | 3        | 60       | <2       | <0.01    | <5       | 1        | 15       | <20      | 0.03 |
| W934831            |                          | 3.04     | 50       | 1.64     | 709      | <1       | 3.83     | 20       | 1440     | 27       | 0.07     | <5       | 10       | 1290     | 20       | 0.27 |
| W934832            |                          | 2.42     | 40       | 1.50     | 638      | 1        | 3.95     | 18       | 1280     | 26       | 0.89     | <5       | 9        | 899      | <20      | 0.23 |
| W934833            |                          | 2.47     | 50       | 1.57     | 632      | 1        | 4.02     | 19       | 1330     | 25       | 0.91     | <5       | 9        | 872      | <20      | 0.25 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20055703**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W934794            |                                   | <10      | <10      | 87       | <10      | 85       |
| W934795            |                                   | <10      | <10      | 77       | <10      | 66       |
| W934796            |                                   | <10      | <10      | 90       | <10      | 79       |
| W934797            |                                   | <10      | <10      | 81       | <10      | 71       |
| W934798            |                                   | <10      | <10      | 79       | <10      | 58       |
| W934799            |                                   | 10       | <10      | 97       | <10      | 61       |
| W934800            |                                   | <10      | <10      | 142      | <10      | 127      |
| W934801            |                                   | <10      | <10      | 79       | <10      | 62       |
| W934802            |                                   | <10      | <10      | 80       | <10      | 61       |
| W934803            |                                   | <10      | <10      | 86       | <10      | 62       |
| W934804            |                                   | <10      | <10      | 81       | <10      | 70       |
| W934805            |                                   | <10      | <10      | 85       | <10      | 63       |
| W934806            |                                   | <10      | <10      | 85       | <10      | 75       |
| W934807            |                                   | <10      | <10      | 75       | 10       | 56       |
| W934808            |                                   | <10      | <10      | 84       | <10      | 73       |
| W934809            |                                   | <10      | <10      | 90       | <10      | 75       |
| W934810            |                                   | <10      | <10      | 4        | <10      | 3        |
| W934811            |                                   | <10      | <10      | 86       | <10      | 72       |
| W934812            |                                   | <10      | <10      | 84       | <10      | 58       |
| W934813            |                                   | <10      | <10      | 86       | 10       | 61       |
| W934814            |                                   | <10      | <10      | 80       | <10      | 69       |
| W934815            |                                   | <10      | <10      | 86       | <10      | 69       |
| W934816            |                                   | <10      | <10      | 91       | <10      | 70       |
| W934817            |                                   | <10      | <10      | 87       | <10      | 69       |
| W934818            |                                   | <10      | <10      | 86       | <10      | 60       |
| W934819            |                                   | <10      | <10      | 89       | <10      | 71       |
| W934820            |                                   | <10      | <10      | 148      | <10      | 127      |
| W934821            |                                   | <10      | <10      | 88       | <10      | 71       |
| W934822            |                                   | <10      | <10      | 81       | <10      | 66       |
| W934823            |                                   | <10      | <10      | 87       | <10      | 77       |
| W934824            |                                   | <10      | <10      | 83       | 10       | 63       |
| W934825            |                                   | <10      | <10      | 82       | <10      | 66       |
| W934826            |                                   | <10      | <10      | 91       | <10      | 76       |
| W934827            |                                   | <10      | <10      | 83       | <10      | 62       |
| W934828            |                                   | <10      | <10      | 87       | 10       | 63       |
| W934829            |                                   | <10      | <10      | 84       | 10       | 67       |
| W934830            |                                   | <10      | <10      | 5        | <10      | 2        |
| W934831            |                                   | <10      | <10      | 91       | <10      | 76       |
| W934832            |                                   | <10      | <10      | 88       | <10      | 70       |
| W934833            |                                   | <10      | <10      | 89       | <10      | 73       |





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 7-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20055703**

| Sample Description | Method  | WEI-21    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |     |
|--------------------|---------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|
|                    | Analyte | Recvd Wt. | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga  |
|                    | Units   | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm |
|                    | LOD     | 0.02      | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10  |
| W934834            |         | 0.96      | <0.01   | <0.5     | 8.71     | <5       | 2650     | 2.4      | 2        | 2.83     | <0.5     | 13       | 32       | 31       | 3.51     | 20  |
| W934835            |         | 3.37      | <0.01   | <0.5     | 8.29     | <5       | 2700     | 2.3      | <2       | 2.79     | <0.5     | 14       | 34       | 30       | 3.65     | 20  |
| W934836            |         | 0.99      | <0.01   | <0.5     | 7.90     | <5       | 2530     | 2.3      | 2        | 2.77     | <0.5     | 12       | 31       | 19       | 3.41     | 20  |
| W934837            |         | 1.63      | <0.01   | <0.5     | 7.56     | <5       | 2480     | 2.1      | <2       | 3.02     | <0.5     | 12       | 29       | 67       | 3.22     | 20  |
| W934838            |         | 2.33      | <0.01   | <0.5     | 8.06     | <5       | 2830     | 2.1      | 2        | 2.65     | <0.5     | 12       | 32       | 54       | 3.45     | 20  |
| W934839            |         | 0.63      | <0.01   | <0.5     | 7.96     | <5       | 2110     | 2.2      | 2        | 2.46     | <0.5     | 9        | 29       | 73       | 3.06     | 20  |
| W934840            |         | 0.06      | 0.51    | <0.5     | 7.70     | 15       | 350      | 1.4      | <2       | 4.84     | <0.5     | 47       | 196      | 59       | 8.30     | 20  |
| W934841            |         | 3.23      | <0.01   | <0.5     | 8.02     | <5       | 2650     | 2.2      | <2       | 2.64     | <0.5     | 12       | 40       | 39       | 3.04     | 20  |
| W934842            |         | 2.20      | <0.01   | <0.5     | 8.35     | <5       | 2590     | 2.7      | 3        | 2.35     | <0.5     | 10       | 43       | 48       | 2.60     | 20  |
| W934843            |         | 1.18      | 0.03    | <0.5     | 8.05     | <5       | 3070     | 2.6      | <2       | 2.40     | <0.5     | 9        | 46       | 54       | 2.25     | 20  |
| W934844            |         | 1.73      | <0.01   | <0.5     | 8.24     | <5       | 2750     | 2.8      | <2       | 1.89     | <0.5     | 9        | 41       | 56       | 2.37     | 20  |
| W934845            |         | 1.82      | 0.03    | <0.5     | 6.90     | <5       | 2250     | 2.3      | 2        | 2.41     | <0.5     | 9        | 41       | 65       | 2.33     | 20  |
| W934846            |         | 1.19      | 0.11    | <0.5     | 7.48     | <5       | 1860     | 2.4      | <2       | 2.29     | <0.5     | 9        | 55       | 63       | 2.12     | 20  |
| W934847            |         | 1.45      | 0.09    | 2.1      | 2.81     | <5       | 410      | 1.8      | <2       | 8.95     | 0.6      | 54       | 942      | 7        | 4.77     | 20  |
| W934848            |         | 0.96      | 0.29    | 22.2     | 2.55     | <5       | 690      | 2.0      | 4        | 11.60    | 0.5      | 50       | 1010     | 11       | 5.58     | 10  |
| W934849            |         | 1.52      | 0.04    | <0.5     | 6.70     | <5       | 2260     | 1.7      | <2       | 2.77     | <0.5     | 16       | 46       | 81       | 3.13     | 20  |
| W934850            |         | 0.33      | <0.01   | <0.5     | 1.03     | <5       | 30       | <0.5     | <2       | 0.03     | <0.5     | 1        | 27       | 2        | 0.71     | <10 |
| W934851            |         | 1.71      | 0.12    | <0.5     | 6.95     | <5       | 1410     | 1.5      | <2       | 2.70     | <0.5     | 10       | 35       | 40       | 2.45     | 20  |
| W934852            |         | 1.61      | 0.03    | <0.5     | 7.18     | <5       | 2820     | 1.9      | <2       | 2.14     | <0.5     | 9        | 38       | 46       | 2.39     | 20  |
| W934853            |         | 0.85      | 0.17    | <0.5     | 7.67     | <5       | 1560     | 2.1      | 2        | 2.41     | <0.5     | 8        | 29       | 32       | 2.00     | 20  |
| W934854            |         | 1.69      | 0.34    | <0.5     | 7.50     | <5       | 2190     | 1.7      | <2       | 2.16     | <0.5     | 10       | 41       | 25       | 2.62     | 20  |
| W934855            |         | 1.78      | 0.06    | <0.5     | 7.42     | <5       | 2290     | 1.9      | <2       | 2.16     | <0.5     | 12       | 46       | 92       | 2.89     | 20  |
| W934856            |         | 1.90      | <0.01   | <0.5     | 7.41     | <5       | 2450     | 2.2      | <2       | 1.76     | <0.5     | 9        | 42       | 173      | 2.61     | 20  |
| W934857            |         | 1.99      | <0.01   | <0.5     | 7.47     | <5       | 2360     | 2.1      | <2       | 2.26     | <0.5     | 11       | 44       | 153      | 2.73     | 20  |
| W934858            |         | 2.90      | 0.02    | <0.5     | 8.03     | <5       | 2660     | 2.3      | <2       | 2.64     | <0.5     | 13       | 52       | 121      | 3.08     | 20  |
| W934859            |         | 1.29      | 0.23    | <0.5     | 7.17     | <5       | 2660     | 2.4      | <2       | 2.63     | <0.5     | 10       | 45       | 50       | 2.70     | 20  |
| W934860            |         | 0.06      | 0.50    | <0.5     | 7.20     | 13       | 340      | 1.3      | <2       | 4.83     | 0.5      | 44       | 190      | 57       | 7.44     | 20  |
| W934861            |         | 2.05      | <0.01   | <0.5     | 7.56     | <5       | 2200     | 2.1      | <2       | 1.94     | <0.5     | 11       | 44       | 110      | 2.56     | 20  |
| W934862            |         | 0.93      | 1.90    | 1.0      | 7.16     | <5       | 1810     | 2.3      | 8        | 2.35     | <0.5     | 10       | 37       | 67       | 2.58     | 20  |
| W934863            |         | 2.04      | 0.01    | <0.5     | 7.45     | <5       | 2410     | 2.1      | <2       | 2.61     | <0.5     | 13       | 58       | 85       | 2.92     | 20  |
| W934864            |         | 1.03      | 0.01    | <0.5     | 6.62     | <5       | 1290     | 3.1      | <2       | 3.51     | <0.5     | 27       | 237      | 17       | 4.69     | 20  |
| W934865            |         | 0.53      | 0.02    | <0.5     | 7.64     | <5       | 2850     | 1.9      | 3        | 2.46     | <0.5     | 11       | 47       | 76       | 2.67     | 20  |
| W934866            |         | 0.57      | 0.01    | <0.5     | 7.04     | <5       | 2650     | 2.1      | 3        | 2.46     | <0.5     | 11       | 55       | 66       | 2.64     | 20  |
| W934867            |         | 0.72      | <0.01   | <0.5     | 7.32     | <5       | 2280     | 1.9      | 2        | 2.04     | <0.5     | 9        | 39       | 68       | 2.39     | 20  |
| W934868            |         | 0.57      | 0.02    | 10.8     | 5.89     | <5       | 600      | 1.6      | 44       | 1.76     | <0.5     | 12       | 39       | 145      | 2.57     | 20  |
| W934869            |         | 1.01      | 0.01    | <0.5     | 6.35     | <5       | 1760     | 2.1      | 3        | 3.79     | <0.5     | 18       | 175      | 46       | 3.86     | 20  |
| W934870            |         | 0.36      | <0.01   | <0.5     | 0.75     | <5       | 20       | <0.5     | <2       | 0.02     | <0.5     | 1        | 17       | 1        | 0.78     | <10 |
| W934871            |         | 1.29      | <0.01   | <0.5     | 6.64     | <5       | 1610     | 2.8      | <2       | 3.40     | <0.5     | 25       | 217      | 38       | 4.43     | 20  |
| W934872            |         | 1.61      | 0.01    | <0.5     | 7.15     | <5       | 2300     | 2.1      | 3        | 2.87     | <0.5     | 13       | 70       | 63       | 2.99     | 20  |
| W934873            |         | 2.28      | 0.03    | <0.5     | 6.82     | <5       | 2370     | 2.1      | <2       | 2.75     | <0.5     | 12       | 46       | 48       | 2.72     | 20  |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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**CERTIFICATE OF ANALYSIS TM20055703**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| W934834            |                          | 3.35     | 60       | 1.65     | 710      | <1       | 4.15     | 18       | 1380     | 33       | 0.08     | <5       | 10       | 1305     | 20       | 0.27 |
| W934835            |                          | 3.11     | 50       | 1.62     | 735      | <1       | 3.99     | 20       | 1440     | 30       | 0.06     | <5       | 10       | 1300     | <20      | 0.27 |
| W934836            |                          | 3.03     | 50       | 1.52     | 710      | <1       | 3.85     | 17       | 1360     | 31       | 0.03     | <5       | 9        | 1375     | <20      | 0.25 |
| W934837            |                          | 1.80     | 40       | 1.45     | 653      | <1       | 4.38     | 17       | 1320     | 32       | 0.73     | <5       | 9        | 856      | <20      | 0.22 |
| W934838            |                          | 2.95     | 50       | 1.58     | 628      | <1       | 3.86     | 18       | 1360     | 60       | 0.22     | <5       | 9        | >10000   | 30       | 0.25 |
| W934839            |                          | 3.11     | 40       | 1.48     | 524      | <1       | 3.82     | 16       | 1230     | 158      | 0.19     | <5       | 8        | 683      | <20      | 0.21 |
| W934840            |                          | 0.93     | 20       | 3.20     | 1005     | 3        | 1.98     | 161      | 1210     | 11       | 0.02     | <5       | 19       | 380      | <20      | 1.00 |
| W934841            |                          | 3.22     | 40       | 1.53     | 573      | 1        | 3.85     | 19       | 1220     | 85       | 0.15     | <5       | 8        | 1015     | <20      | 0.22 |
| W934842            |                          | 2.80     | 30       | 1.21     | 504      | 1        | 4.34     | 23       | 940      | 37       | 0.17     | <5       | 7        | 1310     | <20      | 0.19 |
| W934843            |                          | 2.11     | 30       | 1.21     | 522      | 1        | 4.72     | 21       | 880      | 15       | 0.52     | <5       | 6        | 846      | <20      | 0.16 |
| W934844            |                          | 2.72     | 30       | 1.21     | 417      | <1       | 4.22     | 21       | 860      | 33       | 0.14     | <5       | 6        | 1295     | <20      | 0.17 |
| W934845            |                          | 2.30     | 30       | 1.14     | 557      | 1        | 3.69     | 19       | 890      | 18       | 0.30     | <5       | 6        | 788      | <20      | 0.17 |
| W934846            |                          | 2.01     | 30       | 1.24     | 498      | <1       | 4.02     | 33       | 820      | 10       | 0.40     | <5       | 6        | 586      | <20      | 0.16 |
| W934847            |                          | 0.92     | 10       | 7.92     | 1610     | <1       | 0.07     | 687      | 20       | 7        | 1.16     | <5       | 16       | 539      | <20      | 0.08 |
| W934848            |                          | 0.83     | 10       | 7.97     | 2160     | <1       | 0.55     | 406      | 30       | 26       | 2.43     | <5       | 19       | 849      | <20      | 0.08 |
| W934849            |                          | 1.41     | 30       | 2.43     | 522      | <1       | 3.97     | 62       | 1060     | 12       | 1.46     | <5       | 6        | 431      | <20      | 0.11 |
| W934850            |                          | 0.06     | 10       | 0.03     | 32       | <1       | 0.02     | 2        | 50       | <2       | 0.01     | <5       | 1        | 26       | <20      | 0.03 |
| W934851            |                          | 1.28     | 30       | 1.35     | 516      | <1       | 4.67     | 21       | 1220     | 13       | 1.46     | <5       | 7        | 427      | <20      | 0.12 |
| W934852            |                          | 2.05     | 40       | 1.47     | 562      | 1        | 4.20     | 20       | 1000     | 11       | 0.74     | <5       | 7        | 625      | <20      | 0.13 |
| W934853            |                          | 0.74     | 20       | 1.07     | 473      | <1       | 6.00     | 17       | 1100     | 18       | 1.44     | <5       | 6        | 415      | <20      | 0.08 |
| W934854            |                          | 2.53     | 40       | 1.54     | 520      | 2        | 4.05     | 23       | 1110     | 21       | 0.74     | <5       | 8        | 703      | <20      | 0.16 |
| W934855            |                          | 2.10     | 40       | 1.57     | 582      | <1       | 4.01     | 24       | 1170     | 17       | 0.88     | <5       | 8        | 673      | <20      | 0.18 |
| W934856            |                          | 2.58     | 40       | 1.37     | 519      | <1       | 3.68     | 20       | 1060     | 37       | 0.38     | <5       | 8        | 916      | 20       | 0.17 |
| W934857            |                          | 2.53     | 40       | 1.36     | 537      | <1       | 3.73     | 21       | 1090     | 28       | 0.34     | <5       | 8        | 1070     | <20      | 0.19 |
| W934858            |                          | 2.38     | 50       | 1.58     | 617      | <1       | 4.00     | 25       | 1240     | 32       | 0.51     | <5       | 9        | 1015     | 20       | 0.22 |
| W934859            |                          | 2.28     | 30       | 1.32     | 582      | <1       | 3.65     | 23       | 1070     | 33       | 0.57     | <5       | 8        | 2110     | <20      | 0.19 |
| W934860            |                          | 0.87     | 20       | 3.08     | 972      | 1        | 1.77     | 152      | 1190     | 13       | 0.02     | <5       | 19       | 372      | <20      | 0.94 |
| W934861            |                          | 2.70     | 40       | 1.28     | 505      | <1       | 3.82     | 20       | 1010     | 30       | 0.38     | <5       | 7        | 873      | 20       | 0.18 |
| W934862            |                          | 2.32     | 30       | 1.35     | 482      | 610      | 3.66     | 20       | 1340     | 45       | 1.21     | <5       | 7        | 368      | <20      | 0.14 |
| W934863            |                          | 2.70     | 30       | 1.56     | 621      | 1        | 3.72     | 25       | 1160     | 31       | 0.46     | <5       | 8        | 933      | <20      | 0.21 |
| W934864            |                          | 2.31     | 40       | 3.78     | 892      | 2        | 2.53     | 72       | 1700     | 26       | 0.19     | <5       | 18       | 1925     | <20      | 0.36 |
| W934865            |                          | 3.20     | 30       | 1.34     | 516      | <1       | 3.55     | 21       | 1080     | 36       | 0.32     | <5       | 8        | 1000     | <20      | 0.19 |
| W934866            |                          | 3.03     | 30       | 1.37     | 525      | <1       | 3.28     | 23       | 1080     | 33       | 0.30     | <5       | 8        | 870      | <20      | 0.18 |
| W934867            |                          | 3.03     | 30       | 1.17     | 543      | <1       | 3.76     | 19       | 1000     | 21       | 0.69     | <5       | 7        | 665      | <20      | 0.16 |
| W934868            |                          | 1.60     | 30       | 1.00     | 424      | 7        | 3.60     | 19       | 870      | 716      | 1.40     | <5       | 6        | 565      | <20      | 0.14 |
| W934869            |                          | 1.71     | 40       | 3.05     | 867      | <1       | 3.19     | 55       | 1430     | 14       | 0.39     | <5       | 15       | 1100     | <20      | 0.27 |
| W934870            |                          | 0.04     | 10       | 0.01     | 35       | <1       | 0.02     | 2        | 50       | 2        | <0.01    | <5       | 1        | 22       | <20      | 0.03 |
| W934871            |                          | 2.22     | 40       | 3.65     | 932      | <1       | 2.86     | 69       | 1640     | 31       | 0.07     | <5       | 17       | 677      | <20      | 0.28 |
| W934872            |                          | 2.29     | 40       | 1.70     | 636      | 13       | 3.87     | 30       | 1180     | 59       | 0.71     | <5       | 9        | 922      | <20      | 0.18 |
| W934873            |                          | 2.56     | 30       | 1.32     | 582      | 23       | 3.52     | 22       | 1090     | 23       | 0.45     | <5       | 7        | 935      | <20      | 0.18 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20055703**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W934834            |                                   | <10      | <10      | 89       | <10      | 73       |
| W934835            |                                   | <10      | <10      | 91       | <10      | 77       |
| W934836            |                                   | <10      | <10      | 85       | <10      | 71       |
| W934837            |                                   | <10      | <10      | 79       | <10      | 66       |
| W934838            |                                   | <10      | <10      | 86       | <10      | 74       |
| W934839            |                                   | <10      | <10      | 76       | <10      | 73       |
| W934840            |                                   | <10      | <10      | 155      | <10      | 133      |
| W934841            |                                   | <10      | <10      | 78       | <10      | 73       |
| W934842            |                                   | <10      | <10      | 63       | <10      | 57       |
| W934843            |                                   | <10      | <10      | 62       | <10      | 51       |
| W934844            |                                   | <10      | <10      | 57       | <10      | 60       |
| W934845            |                                   | <10      | <10      | 58       | <10      | 46       |
| W934846            |                                   | 10       | <10      | 62       | <10      | 41       |
| W934847            |                                   | <10      | <10      | 199      | <10      | 168      |
| W934848            |                                   | <10      | <10      | 161      | <10      | 338      |
| W934849            |                                   | <10      | <10      | 52       | 10       | 56       |
| W934850            |                                   | <10      | <10      | 5        | <10      | 4        |
| W934851            |                                   | <10      | <10      | 38       | <10      | 27       |
| W934852            |                                   | <10      | <10      | 58       | <10      | 40       |
| W934853            |                                   | <10      | <10      | 33       | <10      | 20       |
| W934854            |                                   | <10      | <10      | 57       | <10      | 43       |
| W934855            |                                   | <10      | <10      | 70       | <10      | 51       |
| W934856            |                                   | <10      | <10      | 66       | <10      | 53       |
| W934857            |                                   | <10      | <10      | 71       | <10      | 63       |
| W934858            |                                   | <10      | <10      | 79       | <10      | 72       |
| W934859            |                                   | 10       | <10      | 75       | <10      | 63       |
| W934860            |                                   | <10      | <10      | 149      | <10      | 133      |
| W934861            |                                   | 10       | <10      | 63       | <10      | 56       |
| W934862            |                                   | <10      | <10      | 62       | <10      | 50       |
| W934863            |                                   | <10      | <10      | 78       | <10      | 65       |
| W934864            |                                   | <10      | <10      | 139      | <10      | 116      |
| W934865            |                                   | <10      | <10      | 68       | <10      | 57       |
| W934866            |                                   | <10      | <10      | 68       | <10      | 55       |
| W934867            |                                   | 10       | <10      | 66       | <10      | 34       |
| W934868            |                                   | <10      | <10      | 53       | <10      | 30       |
| W934869            |                                   | <10      | <10      | 126      | <10      | 87       |
| W934870            |                                   | <10      | <10      | 5        | <10      | <2       |
| W934871            |                                   | <10      | <10      | 131      | <10      | 106      |
| W934872            |                                   | <10      | <10      | 84       | <10      | 60       |
| W934873            |                                   | <10      | <10      | 71       | <10      | 47       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20055703**

| Sample Description | Method  | WEI-21    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|---------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    | Analyte | Recvd Wt. | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga       |
|                    | Units   | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      |
|                    | LOD     | 0.02      | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       |
| W934874            |         | 0.91      | 0.01    | <0.5     | 7.17     | <5       | 2460     | 1.8      | <2       | 2.51     | <0.5     | 12       | 45       | 75       | 2.71     | 20       |
| W934875            |         | 1.05      | 0.18    | <0.5     | 6.99     | <5       | 2170     | 2.6      | 4        | 2.74     | <0.5     | 11       | 46       | 70       | 2.74     | 20       |
| W934876            |         | 0.81      | 0.01    | <0.5     | 6.75     | <5       | 2000     | 2.1      | 2        | 2.46     | <0.5     | 10       | 45       | 61       | 2.49     | 20       |
| W934877            |         | 1.04      | 0.20    | <0.5     | 6.45     | <5       | 2770     | 2.2      | <2       | 2.78     | <0.5     | 10       | 42       | 92       | 2.62     | 20       |
| W934878            |         | 1.69      | 0.09    | <0.5     | 6.90     | <5       | 1850     | 2.3      | 5        | 2.68     | <0.5     | 13       | 49       | 55       | 2.66     | 20       |
| W934879            |         | 0.70      | 0.20    | 1.8      | 6.19     | <5       | 2670     | 1.7      | 5        | 2.61     | <0.5     | 10       | 40       | 18       | 2.25     | 20       |
| W934880            |         | 0.06      | 0.52    | <0.5     | 7.28     | 15       | 340      | 1.3      | 2        | 4.75     | <0.5     | 46       | 190      | 59       | 7.73     | 20       |
| W934881            |         | 1.32      | 0.21    | <0.5     | 7.01     | <5       | 1980     | 2.3      | 3        | 2.32     | <0.5     | 12       | 43       | 28       | 2.47     | 20       |
| W934882            |         | 0.77      | 0.02    | <0.5     | 6.91     | <5       | 1380     | 2.1      | 2        | 2.32     | <0.5     | 9        | 42       | 42       | 2.33     | 20       |
| W934883            |         | 1.25      | 0.01    | <0.5     | 6.84     | 5        | 1930     | 2.0      | 2        | 2.47     | <0.5     | 13       | 44       | 22       | 2.66     | 20       |
| W934884            |         | 1.29      | 0.04    | <0.5     | 7.32     | <5       | 1870     | 2.1      | <2       | 2.07     | <0.5     | 14       | 45       | 29       | 3.19     | 20       |
| W934885            |         | 2.19      | 0.01    | 0.7      | 6.81     | <5       | 1070     | 1.5      | 5        | 2.43     | <0.5     | 13       | 47       | 73       | 2.59     | 20       |
| W934886            |         | 1.31      | <0.01   | <0.5     | 2.24     | <5       | 60       | <0.5     | <2       | 4.73     | 0.6      | 74       | 1145     | 45       | 5.74     | 10       |
| W934887            |         | 2.58      | 0.01    | <0.5     | 2.99     | <5       | 230      | <0.5     | <2       | 4.19     | 1.0      | 79       | 1330     | 35       | 6.36     | 10       |
| W934888            |         | 3.05      | 0.01    | <0.5     | 2.83     | <5       | 80       | <0.5     | <2       | 4.56     | 0.7      | 77       | 1210     | 30       | 6.12     | 10       |
| W934889            |         | 2.31      | 0.01    | <0.5     | 2.68     | <5       | 120      | <0.5     | <2       | 4.81     | 0.9      | 76       | 1175     | 30       | 5.87     | 10       |
| W934890            |         | 0.30      | <0.01   | <0.5     | 0.88     | <5       | 10       | <0.5     | <2       | 0.03     | <0.5     | 1        | 20       | 1        | 0.62     | <10      |
| W934891            |         | 0.94      | 0.01    | <0.5     | 2.84     | <5       | 120      | <0.5     | <2       | 4.01     | 1.0      | 79       | 1170     | 32       | 6.26     | 10       |
| W934892            |         | 1.31      | 0.01    | <0.5     | 2.70     | <5       | 50       | 1.0      | <2       | 4.71     | 0.6      | 72       | 1115     | 47       | 5.76     | 10       |
| W934893            |         | 1.29      | 0.03    | <0.5     | 6.75     | <5       | 1870     | 2.3      | <2       | 2.61     | <0.5     | 14       | 53       | 68       | 2.45     | 20       |
| W934894            |         | 2.18      | <0.01   | <0.5     | 7.20     | <5       | 2420     | 2.1      | 3        | 2.26     | <0.5     | 11       | 47       | 45       | 2.63     | 20       |
| W934895            |         | 1.85      | 0.08    | <0.5     | 6.63     | <5       | 2870     | 2.0      | 2        | 2.67     | <0.5     | 11       | 44       | 40       | 2.50     | 20       |
| W934896            |         | 1.91      | 0.04    | <0.5     | 7.08     | <5       | 2340     | 2.1      | <2       | 2.49     | <0.5     | 10       | 42       | 33       | 2.37     | 20       |
| W934897            |         | 3.33      | <0.01   | <0.5     | 7.66     | <5       | 2550     | 2.4      | 2        | 2.42     | <0.5     | 11       | 47       | 22       | 2.63     | 20       |
| W934898            |         | 0.62      | 0.05    | <0.5     | 6.77     | <5       | 2410     | 2.4      | <2       | 2.67     | <0.5     | 10       | 40       | 31       | 2.45     | 20       |
| W934899            |         | 0.81      | 0.03    | <0.5     | 6.81     | <5       | 2270     | 2.4      | <2       | 2.65     | <0.5     | 11       | 41       | 29       | 2.42     | 20       |
| W934900            |         | 0.06      | 0.51    | <0.5     | 7.31     | 19       | 330      | 1.3      | 2        | 4.72     | 0.9      | 45       | 191      | 59       | 7.66     | 20       |
| W934901            |         | 0.75      | 0.01    | <0.5     | 6.63     | <5       | 2100     | 2.0      | <2       | 2.81     | <0.5     | 12       | 49       | 63       | 2.73     | 20       |
| W934902            |         | 2.25      | 0.01    | <0.5     | 3.11     | <5       | 180      | 0.5      | <2       | 7.65     | 1.1      | 72       | 1160     | 43       | 5.57     | 10       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20055703**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
|                    |                          | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01 |
| W934874            |                          | 2.28     | 30       | 1.29     | 540      | <1       | 3.78     | 22       | 1080     | 18       | 0.58     | <5       | 8        | 1000     | <20      | 0.18 |
| W934875            |                          | 3.25     | 40       | 1.34     | 568      | <1       | 2.42     | 24       | 1120     | 14       | 0.70     | <5       | 8        | 1060     | <20      | 0.19 |
| W934876            |                          | 2.91     | 30       | 1.24     | 538      | 15       | 2.80     | 19       | 1000     | 15       | 0.25     | <5       | 8        | 626      | <20      | 0.19 |
| W934877            |                          | 2.93     | 30       | 1.28     | 566      | 8        | 2.83     | 23       | 1020     | 10       | 0.81     | <5       | 7        | 969      | <20      | 0.18 |
| W934878            |                          | 3.09     | 30       | 1.28     | 537      | 66       | 3.11     | 25       | 1080     | 13       | 0.63     | <5       | 7        | 600      | <20      | 0.20 |
| W934879            |                          | 2.63     | 30       | 1.23     | 520      | 489      | 3.13     | 19       | 820      | 80       | 0.86     | <5       | 6        | 613      | <20      | 0.14 |
| W934880            |                          | 0.88     | 20       | 3.07     | 996      | 3        | 1.84     | 157      | 1190     | 13       | 0.02     | <5       | 19       | 382      | 20       | 0.97 |
| W934881            |                          | 3.01     | 30       | 1.22     | 463      | 43       | 3.01     | 22       | 1020     | 10       | 0.70     | <5       | 7        | 455      | <20      | 0.18 |
| W934882            |                          | 3.29     | 30       | 1.23     | 466      | 9        | 3.17     | 24       | 970      | 9        | 0.41     | <5       | 7        | 382      | <20      | 0.18 |
| W934883            |                          | 3.17     | 30       | 1.34     | 538      | 51       | 3.16     | 28       | 1070     | 13       | 0.34     | <5       | 7        | 511      | <20      | 0.18 |
| W934884            |                          | 3.55     | 40       | 1.80     | 452      | 27       | 3.05     | 74       | 1060     | 8        | 0.43     | <5       | 7        | 466      | <20      | 0.19 |
| W934885            |                          | 1.99     | 30       | 1.35     | 462      | 86       | 4.11     | 36       | 1020     | 84       | 1.13     | <5       | 7        | 492      | <20      | 0.15 |
| W934886            |                          | 0.10     | <10      | 12.45    | 1070     | 2        | 0.01     | 1260     | 100      | <2       | 0.15     | <5       | 15       | 159      | <20      | 0.04 |
| W934887            |                          | 0.08     | <10      | 12.10    | 1050     | 1        | <0.01    | 1110     | 100      | <2       | 0.02     | <5       | 19       | 415      | <20      | 0.05 |
| W934888            |                          | 0.03     | <10      | 12.15    | 1090     | <1       | <0.01    | 1120     | 100      | 4        | 0.01     | <5       | 18       | 149      | <20      | 0.05 |
| W934889            |                          | 0.03     | <10      | 12.40    | 1085     | 1        | 0.01     | 1260     | 110      | <2       | 0.01     | <5       | 17       | 250      | <20      | 0.05 |
| W934890            |                          | 0.04     | 10       | 0.06     | 26       | <1       | 0.01     | 8        | 50       | <2       | <0.01    | <5       | 1        | 25       | <20      | 0.02 |
| W934891            |                          | 0.09     | <10      | 12.50    | 1060     | 1        | <0.01    | 1200     | 90       | <2       | 0.01     | <5       | 18       | 184      | <20      | 0.04 |
| W934892            |                          | 1.00     | <10      | 11.35    | 1165     | 1        | 0.01     | 1130     | 60       | <2       | 0.01     | <5       | 17       | 455      | <20      | 0.07 |
| W934893            |                          | 2.16     | 30       | 1.40     | 495      | <1       | 3.76     | 44       | 950      | 6        | 0.50     | <5       | 7        | 763      | <20      | 0.18 |
| W934894            |                          | 2.48     | 30       | 1.33     | 556      | 1        | 3.80     | 24       | 1110     | 19       | 0.34     | <5       | 7        | 1195     | <20      | 0.20 |
| W934895            |                          | 2.94     | 20       | 1.24     | 580      | <1       | 3.49     | 21       | 1090     | 26       | 0.34     | <5       | 6        | 935      | <20      | 0.19 |
| W934896            |                          | 2.68     | 30       | 1.16     | 528      | <1       | 3.78     | 19       | 1040     | 26       | 0.33     | <5       | 6        | 712      | <20      | 0.17 |
| W934897            |                          | 2.69     | 30       | 1.26     | 567      | 1        | 3.77     | 21       | 1080     | 32       | 0.03     | 6        | 7        | 1495     | 20       | 0.20 |
| W934898            |                          | 2.62     | 20       | 1.19     | 553      | <1       | 3.61     | 19       | 1060     | 25       | 0.39     | <5       | 6        | 732      | <20      | 0.18 |
| W934899            |                          | 2.69     | 30       | 1.16     | 547      | <1       | 3.63     | 20       | 1040     | 23       | 0.40     | <5       | 6        | 684      | <20      | 0.18 |
| W934900            |                          | 0.87     | 20       | 3.09     | 980      | 3        | 1.83     | 158      | 1240     | 9        | 0.02     | <5       | 19       | 354      | <20      | 0.96 |
| W934901            |                          | 2.45     | 20       | 1.43     | 563      | <1       | 4.12     | 44       | 1060     | 13       | 0.35     | <5       | 6        | 651      | <20      | 0.18 |
| W934902            |                          | 0.11     | <10      | 10.30    | 1285     | <1       | 0.01     | 1150     | 110      | <2       | 0.02     | <5       | 20       | 287      | <20      | 0.05 |



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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20055703**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W934874            |                                   | <10      | <10      | 66       | <10      | 55       |
| W934875            |                                   | 10       | <10      | 74       | <10      | 50       |
| W934876            |                                   | <10      | <10      | 67       | <10      | 43       |
| W934877            |                                   | <10      | <10      | 66       | 10       | 44       |
| W934878            |                                   | <10      | <10      | 74       | <10      | 47       |
| W934879            |                                   | <10      | <10      | 53       | <10      | 31       |
| W934880            |                                   | <10      | <10      | 150      | <10      | 133      |
| W934881            |                                   | <10      | <10      | 68       | <10      | 41       |
| W934882            |                                   | <10      | <10      | 66       | <10      | 48       |
| W934883            |                                   | 10       | <10      | 66       | <10      | 46       |
| W934884            |                                   | <10      | <10      | 67       | <10      | 64       |
| W934885            |                                   | <10      | <10      | 61       | <10      | 38       |
| W934886            |                                   | 10       | <10      | 92       | <10      | 105      |
| W934887            |                                   | 10       | <10      | 116      | <10      | 61       |
| W934888            |                                   | <10      | <10      | 108      | <10      | 58       |
| W934889            |                                   | 10       | <10      | 102      | <10      | 57       |
| W934890            |                                   | <10      | <10      | 4        | <10      | 2        |
| W934891            |                                   | <10      | <10      | 111      | <10      | 57       |
| W934892            |                                   | <10      | <10      | 112      | <10      | 72       |
| W934893            |                                   | <10      | <10      | 70       | 10       | 51       |
| W934894            |                                   | <10      | <10      | 67       | <10      | 60       |
| W934895            |                                   | <10      | <10      | 63       | 10       | 57       |
| W934896            |                                   | <10      | <10      | 62       | <10      | 50       |
| W934897            |                                   | <10      | <10      | 65       | <10      | 66       |
| W934898            |                                   | 10       | <10      | 66       | <10      | 55       |
| W934899            |                                   | <10      | <10      | 65       | <10      | 52       |
| W934900            |                                   | 10       | <10      | 147      | <10      | 133      |
| W934901            |                                   | <10      | <10      | 61       | <10      | 47       |
| W934902            |                                   | 10       | <10      | 118      | <10      | 66       |



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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20055703**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
 Au-AA26 ME-ICP61

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.  
 CRU-31 CRU-QC LOG-21 LOG-23  
 PUL-31 PUL-QC SPL-21 WEI-21



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**QC CERTIFICATE TM20055703**

Project: Golden Perimeter  
P.O. No.: GP20-01  
This report is for 269 Drill Core samples submitted to our lab in Timmins, ON,  
Canada on 9-MAR-2020.

The following have access to data associated with this certificate:

IAN DUNLOP  
CONOR MCKINLEY

DARWIN GREEN

NEAL MAGUIRE

**SAMPLE PREPARATION**

| ALS CODE | DESCRIPTION                     |
|----------|---------------------------------|
| WEI-21   | Received Sample Weight          |
| LOG-21   | Sample logging - ClientBarCode  |
| CRU-QC   | Crushing QC Test                |
| PUL-QC   | Pulverizing QC Test             |
| CRU-31   | Fine crushing - 70% <2mm        |
| SPL-21   | Split sample - riffle splitter  |
| PUL-31   | Pulverize up to 250g 85% <75 um |
| LOG-23   | Pulp Login - Rcvd with Barcode  |

**ANALYTICAL PROCEDURES**

| ALS CODE | DESCRIPTION                   | INSTRUMENT |
|----------|-------------------------------|------------|
| ME-ICP61 | 33 element four acid ICP-AES  | ICP-AES    |
| Au-AA26  | Ore Grade Au 50g FA AA finish | AAS        |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:

Saa Traxler, General Manager, North Vancouver





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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20055703**

| Sample Description         | Method Analyte Units LOD | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|----------------------------|--------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                            |                          | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K %  |
|                            |                          | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       | 0.01 |
| <b>STANDARDS</b>           |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| CDN-CM-34                  |                          |         | 3.9      | 6.74     | 107      | 530      | 1.0      | 3        | 2.23     | 0.9      | 44       | 251      | 6110     | 4.99     | 20       | 2.97 |
| CDN-CM-34                  |                          |         | 3.6      | 6.44     | 103      | 500      | 1.0      | 3        | 2.09     | 0.9      | 40       | 237      | 5650     | 4.71     | 20       | 2.81 |
| CDN-CM-34                  |                          |         | 3.8      | 6.85     | 107      | 530      | 1.1      | 5        | 2.26     | 1.2      | 43       | 258      | 5980     | 5.18     | 20       | 3.04 |
| CDN-CM-34                  |                          |         | 3.8      | 6.48     | 100      | 430      | 1.0      | 7        | 2.15     | 1.5      | 43       | 233      | 5900     | 4.80     | 20       | 2.85 |
| Target Range - Lower Bound |                          |         | 2.5      | 5.88     | 90       | 430      | <0.5     | <2       | 1.83     | <0.5     | 37       | 217      | 5370     | 4.26     | <10      | 2.51 |
| Upper Bound                |                          |         | 4.9      | 7.21     | 122      | 610      | 2.1      | 8        | 2.25     | 2.0      | 47       | 267      | 6190     | 5.23     | 40       | 3.09 |
| EMOG-17                    |                          |         | 67.1     | 4.56     | 578      | 130      | 1.8      | 8        | 1.97     | 20.2     | 751      | 58       | 8120     | 4.88     | 10       | 1.67 |
| EMOG-17                    |                          |         | 68.3     | 4.78     | 586      | 140      | 1.8      | 9        | 1.95     | 19.9     | 766      | 57       | 8410     | 4.98     | 10       | 1.75 |
| EMOG-17                    |                          |         | 69.9     | 4.89     | 598      | 210      | 1.9      | 10       | 2.03     | 20.2     | 785      | 57       | 8390     | 5.23     | 10       | 1.79 |
| EMOG-17                    |                          |         | 67.6     | 4.63     | 567      | 180      | 1.8      | 9        | 1.97     | 20.8     | 762      | 56       | 8600     | 4.94     | 10       | 1.69 |
| Target Range - Lower Bound |                          |         | 60.4     | 4.18     | 517      | 930      | 0.7      | <2       | 1.72     | 17.7     | 685      | 49       | 7740     | 4.42     | <10      | 1.49 |
| Upper Bound                |                          |         | 75.0     | 5.13     | 643      | 1290     | 2.9      | 10       | 2.12     | 22.7     | 839      | 62       | 8910     | 5.42     | 30       | 1.85 |
| G313-5                     |                          | 7.18    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G313-5                     |                          | 7.05    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G313-5                     |                          | 7.11    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G313-5                     |                          | 6.91    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 6.64    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 7.50    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G917-1                     |                          | 49.1    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G917-1                     |                          | 47.9    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G917-1                     |                          | 47.6    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G917-1                     |                          | 47.1    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 45.5    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 51.3    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| KIP-19                     |                          | 2.45    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| KIP-19                     |                          | 2.40    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| KIP-19                     |                          | 2.45    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| KIP-19                     |                          | 2.44    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 2.27    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 2.59    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| MRGeo08                    |                          |         | 4.4      | 7.34     | 33       | 1140     | 3.4      | 3        | 2.76     | 2.2      | 20       | 94       | 653      | 4.12     | 20       | 3.25 |
| MRGeo08                    |                          |         | 4.2      | 6.99     | 30       | 1080     | 3.1      | <2       | 2.67     | 2.6      | 20       | 89       | 635      | 3.90     | 20       | 3.17 |
| MRGeo08                    |                          |         | 4.5      | 7.68     | 36       | 1230     | 3.3      | 2        | 2.90     | 2.2      | 19       | 93       | 621      | 4.08     | 20       | 3.32 |
| MRGeo08                    |                          |         | 4.5      | 7.03     | 30       | 1100     | 3.1      | <2       | 2.69     | 2.2      | 20       | 91       | 615      | 3.87     | 20       | 3.16 |
| Target Range - Lower Bound |                          |         | 3.2      | 6.64     | 21       | 920      | 2.2      | <2       | 2.35     | 1.1      | 17       | 81       | 586      | 3.55     | <10      | 2.79 |
| Upper Bound                |                          |         | 5.6      | 8.14     | 45       | 1270     | 4.5      | 5        | 2.90     | 3.4      | 23       | 102      | 676      | 4.37     | 40       | 3.43 |



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**QC CERTIFICATE OF ANALYSIS TM20055703**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |     |
|----------------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|
|                            |                          | La       | Mg       | Mn       | Mo       | Na       | Ni       | P        | Pb       | S        | Sb       | Sc       | Sr       | Th       | Ti       | Tl  |
|                            |                          | ppm      | %        | ppm      | ppm      | %        | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | ppm      | %   |
|                            |                          | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01     | 10  |
| <b>STANDARDS</b>           |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| CDN-CM-34                  |                          | 20       | 3.85     | 465      | 301      | 0.77     | 258      | 1280     | 26       | 3.15     | 6        | 17       | 235      | <20      | 0.51     | <10 |
| CDN-CM-34                  |                          | 20       | 3.61     | 430      | 279      | 0.74     | 247      | 1210     | 21       | 2.98     | 5        | 16       | 224      | <20      | 0.48     | <10 |
| CDN-CM-34                  |                          | 20       | 3.93     | 464      | 300      | 0.80     | 258      | 1260     | 23       | 3.13     | 5        | 17       | 231      | <20      | 0.53     | <10 |
| CDN-CM-34                  |                          | 20       | 3.70     | 450      | 289      | 0.75     | 257      | 1290     | 17       | 3.10     | 10       | 16       | 218      | <20      | 0.50     | 10  |
| Target Range - Lower Bound |                          | <10      | 3.29     | 399      | 269      | 0.66     | 220      | 1110     | 19       | 2.70     | <5       | 14       | 204      | <20      | 0.43     | <10 |
| Upper Bound                |                          | 40       | 4.05     | 499      | 331      | 0.83     | 271      | 1370     | 29       | 3.32     | 17       | 19       | 251      | 40       | 0.55     | 20  |
| EMOG-17                    |                          | 20       | 0.98     | 737      | 1070     | 1.08     | 7580     | 800      | 7240     | 3.20     | 795      | 8        | 206      | <20      | 0.32     | <10 |
| EMOG-17                    |                          | 20       | 0.96     | 738      | 1075     | 1.14     | 7880     | 820      | 7330     | 3.29     | 796      | 8        | 215      | 20       | 0.32     | <10 |
| EMOG-17                    |                          | 20       | 1.00     | 749      | 1090     | 1.19     | 7840     | 820      | 7390     | 3.34     | 809      | 8        | 209      | <20      | 0.33     | <10 |
| EMOG-17                    |                          | 20       | 0.98     | 756      | 1100     | 1.12     | 7850     | 860      | 7510     | 3.39     | 826      | 8        | 203      | <20      | 0.32     | 10  |
| Target Range - Lower Bound |                          | <10      | 0.86     | 670      | 996      | 0.99     | 6820     | 700      | 6570     | 2.91     | 638      | 6        | 184      | <20      | 0.28     | <10 |
| Upper Bound                |                          | 40       | 1.08     | 830      | 1220     | 1.23     | 8330     | 880      | 8030     | 3.57     | 874      | 10       | 227      | 50       | 0.36     | 20  |
| G313-5                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| G313-5                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| G313-5                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| G313-5                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| G917-1                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| G917-1                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| G917-1                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| G917-1                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| KIP-19                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| KIP-19                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| KIP-19                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| KIP-19                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| MRGeo08                    |                          | 20       | 1.34     | 590      | 14       | 2.09     | 749      | 1070     | 1140     | 0.32     | <5       | 11       | 309      | 20       | 0.52     | <10 |
| MRGeo08                    |                          | 20       | 1.31     | 552      | 15       | 1.97     | 719      | 1050     | 1110     | 0.31     | <5       | 10       | 293      | 20       | 0.50     | 10  |
| MRGeo08                    |                          | 30       | 1.41     | 586      | 13       | 2.11     | 706      | 1110     | 1085     | 0.32     | <5       | 11       | 333      | 20       | 0.50     | 10  |
| MRGeo08                    |                          | 30       | 1.29     | 553      | 13       | 1.95     | 697      | 1030     | 1070     | 0.30     | <5       | 10       | 305      | 20       | 0.49     | <10 |
| Target Range - Lower Bound |                          | <10      | 1.17     | 497      | 12       | 1.76     | 621      | 930      | 969      | 0.27     | <5       | 10       | 276      | <20      | 0.44     | <10 |
| Upper Bound                |                          | 60       | 1.45     | 619      | 18       | 2.18     | 761      | 1160     | 1190     | 0.35     | 15       | 15       | 340      | 60       | 0.56     | 20  |



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 North Vancouver BC V7H 0A7  
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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Total # Pages: 9 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 7-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20055703**

| Sample Description         | Method<br>Analyte<br>Units<br>LOD | ME-ICP61<br>U<br>ppm<br>10 | ME-ICP61<br>V<br>ppm<br>1 | ME-ICP61<br>W<br>ppm<br>10 | ME-ICP61<br>Zn<br>ppm<br>2 |
|----------------------------|-----------------------------------|----------------------------|---------------------------|----------------------------|----------------------------|
| <b>STANDARDS</b>           |                                   |                            |                           |                            |                            |
| CDN-CM-34                  |                                   | <10                        | 169                       | 20                         | 205                        |
| CDN-CM-34                  |                                   | <10                        | 159                       | 20                         | 195                        |
| CDN-CM-34                  |                                   | <10                        | 172                       | 20                         | 200                        |
| CDN-CM-34                  |                                   | <10                        | 163                       | 30                         | 202                        |
| Target Range - Lower Bound |                                   | <10                        | 149                       | <10                        | 176                        |
| Upper Bound                |                                   | 20                         | 184                       | 50                         | 219                        |
| EMOG-17                    |                                   | <10                        | 73                        | <10                        | 7500                       |
| EMOG-17                    |                                   | <10                        | 72                        | <10                        | 7500                       |
| EMOG-17                    |                                   | <10                        | 75                        | 10                         | 7630                       |
| EMOG-17                    |                                   | <10                        | 74                        | 10                         | 7640                       |
| Target Range - Lower Bound |                                   | <10                        | 67                        | <10                        | 6800                       |
| Upper Bound                |                                   | 20                         | 84                        | 20                         | 8320                       |
| G313-5                     |                                   |                            |                           |                            |                            |
| G313-5                     |                                   |                            |                           |                            |                            |
| G313-5                     |                                   |                            |                           |                            |                            |
| G313-5                     |                                   |                            |                           |                            |                            |
| Target Range - Lower Bound |                                   |                            |                           |                            |                            |
| Upper Bound                |                                   |                            |                           |                            |                            |
| G917-1                     |                                   |                            |                           |                            |                            |
| G917-1                     |                                   |                            |                           |                            |                            |
| G917-1                     |                                   |                            |                           |                            |                            |
| G917-1                     |                                   |                            |                           |                            |                            |
| Target Range - Lower Bound |                                   |                            |                           |                            |                            |
| Upper Bound                |                                   |                            |                           |                            |                            |
| KIP-19                     |                                   |                            |                           |                            |                            |
| KIP-19                     |                                   |                            |                           |                            |                            |
| KIP-19                     |                                   |                            |                           |                            |                            |
| KIP-19                     |                                   |                            |                           |                            |                            |
| Target Range - Lower Bound |                                   |                            |                           |                            |                            |
| Upper Bound                |                                   |                            |                           |                            |                            |
| MRGeo08                    |                                   | 10                         | 112                       | 10                         | 857                        |
| MRGeo08                    |                                   | <10                        | 108                       | 10                         | 821                        |
| MRGeo08                    |                                   | <10                        | 111                       | <10                        | 817                        |
| MRGeo08                    |                                   | <10                        | 109                       | <10                        | 813                        |
| Target Range - Lower Bound |                                   | <10                        | 97                        | <10                        | 722                        |
| Upper Bound                |                                   | 30                         | 121                       | 30                         | 886                        |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20055703**

| Sample Description         | Method Analyte Units LOD | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|----------------------------|--------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                            |                          | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K %  |
|                            |                          | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       | 0.01 |
| <b>STANDARDS</b>           |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| OREAS 602                  |                          | >100    | 4.58     | 713      | 130      | 0.8      | 63       | 0.67     | 26.7     | 10       | 35       | 5470     | 2.33     | 20       | 0.73     |      |
| OREAS 602                  |                          | >100    | 4.25     | 636      | 150      | 0.8      | 64       | 0.63     | 25.8     | 11       | 38       | 5090     | 2.16     | 20       | 0.68     |      |
| OREAS 602                  |                          | >100    | 4.35     | 694      | 80       | 0.8      | 64       | 0.68     | 26.3     | 10       | 34       | 5210     | 2.22     | 20       | 0.70     |      |
| OREAS 602                  |                          | >100    | 4.39     | 678      | 80       | 0.8      | 61       | 0.65     | 25.1     | 10       | 29       | 5230     | 2.20     | 20       | 0.70     |      |
| Target Range - Lower Bound |                          | 107.5   | 3.92     | 579      | 590      | <0.5     | 49       | 0.55     | 21.7     | 7        | 28       | 4790     | 2.01     | <10      | 0.60     |      |
| Upper Bound                |                          | 100.0   | 4.82     | 719      | 830      | 1.8      | 65       | 0.69     | 27.7     | 12       | 36       | 5510     | 2.47     | 40       | 0.76     |      |
| OxP154                     |                          | 14.85   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| OxP154                     |                          | 14.80   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| OxP154                     |                          | 15.45   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| OxP154                     |                          | 15.25   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| OxP154                     |                          | 14.85   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| OxP154                     |                          | 15.65   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| OxP154                     |                          | 15.15   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 14.35   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 16.20   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| PMP-18                     |                          | 0.30    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| PMP-18                     |                          | 0.30    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| PMP-18                     |                          | 0.30    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| PMP-18                     |                          | 0.31    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| PMP-18                     |                          | 0.29    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| PMP-18                     |                          | 0.30    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| PMP-18                     |                          | 0.31    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 0.28    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.34    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| <b>BLANKS</b>              |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| BLANK                      |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| BLANK                      |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| BLANK                      |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| BLANK                      |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| BLANK                      |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| BLANK                      |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| BLANK                      |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| BLANK                      |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| BLANK                      |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| BLANK                      |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20055703**

| Method Analyte Units LOD   | ME-ICP61 La ppm | ME-ICP61 Mg % | ME-ICP61 Mn ppm | ME-ICP61 Mo ppm | ME-ICP61 Na % | ME-ICP61 Ni ppm | ME-ICP61 P ppm | ME-ICP61 Pb ppm | ME-ICP61 S % | ME-ICP61 Sb ppm | ME-ICP61 Sc ppm | ME-ICP61 Sr ppm | ME-ICP61 Th ppm | ME-ICP61 Ti % | ME-ICP61 Tl ppm |
|----------------------------|-----------------|---------------|-----------------|-----------------|---------------|-----------------|----------------|-----------------|--------------|-----------------|-----------------|-----------------|-----------------|---------------|-----------------|
| <b>Sample Description</b>  | 10              | 0.01          | 5               | 1               | 0.01          | 1               | 10             | 2               | 0.01         | 5               | 1               | 1               | 20              | 0.01          | 10              |
| <b>STANDARDS</b>           |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| OREAS 602                  | 20              | 0.20          | 249             | 5               | 0.47          | 66              | 600            | 1115            | 2.27         | 88              | 4               | 488             | <20             | 0.23          | <10             |
| OREAS 602                  | 10              | 0.19          | 232             | 5               | 0.45          | 63              | 580            | 1030            | 2.15         | 84              | 4               | 448             | <20             | 0.22          | <10             |
| OREAS 602                  | 10              | 0.19          | 236             | 4               | 0.45          | 63              | 580            | 1075            | 2.12         | 83              | 4               | 476             | <20             | 0.22          | <10             |
| OREAS 602                  | 10              | 0.19          | 231             | 4               | 0.45          | 61              | 570            | 1035            | 2.11         | 82              | 4               | 478             | <20             | 0.22          | 10              |
| Target Range - Lower Bound | <10             | 0.17          | 198             | 2               | 0.40          | 53              | 500            | 918             | 1.90         | 61              | 2               | 417             | <20             | 0.18          | <10             |
| Upper Bound                | 40              | 0.23          | 253             | 7               | 0.51          | 67              | 640            | 1125            | 2.34         | 97              | 6               | 511             | 50              | 0.24          | 20              |
| OxP154                     |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| OxP154                     |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| OxP154                     |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| OxP154                     |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| OxP154                     |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| OxP154                     |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| OxP154                     |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Target Range - Lower Bound |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Upper Bound                |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| PMP-18                     |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| PMP-18                     |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| PMP-18                     |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| PMP-18                     |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| PMP-18                     |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| PMP-18                     |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| PMP-18                     |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Target Range - Lower Bound |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Upper Bound                |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| <b>BLANKS</b>              |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM20055703**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 U ppm | ME-ICP61 V ppm | ME-ICP61 W ppm | ME-ICP61 Zn ppm |
|----------------------------|--------------------------|----------------|----------------|----------------|-----------------|
|                            |                          | 10             | 1              | 10             | 2               |
| <b>STANDARDS</b>           |                          |                |                |                |                 |
| OREAS 602                  |                          | <10            | 35             | 20             | 4430            |
| OREAS 602                  |                          | <10            | 33             | 20             | 4200            |
| OREAS 602                  |                          | <10            | 34             | 10             | 4290            |
| OREAS 602                  |                          | <10            | 33             | 10             | 4120            |
| Target Range - Lower Bound |                          | <10            | 29             | <10            | 3770            |
| Upper Bound                |                          | 20             | 37             | 30             | 4610            |
| OxP154                     |                          |                |                |                |                 |
| OxP154                     |                          |                |                |                |                 |
| OxP154                     |                          |                |                |                |                 |
| OxP154                     |                          |                |                |                |                 |
| OxP154                     |                          |                |                |                |                 |
| OxP154                     |                          |                |                |                |                 |
| OxP154                     |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| PMP-18                     |                          |                |                |                |                 |
| PMP-18                     |                          |                |                |                |                 |
| PMP-18                     |                          |                |                |                |                 |
| PMP-18                     |                          |                |                |                |                 |
| PMP-18                     |                          |                |                |                |                 |
| PMP-18                     |                          |                |                |                |                 |
| PMP-18                     |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| <b>BLANKS</b>              |                          |                |                |                |                 |
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| Method Analyte Units LOD   | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |  |
|----------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| Sample Description         | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K %      |  |
|                            | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       | 0.01     |  |
| <b>BLANKS</b>              |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| BLANK                      |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | <1       | <0.01    | <10      | <0.01    |  |
| BLANK                      |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | 1        | <1       | <0.01    | <10      | <0.01    |  |
| BLANK                      |         | <0.5     | <0.01    | <5       | <10      | <0.5     | 2        | <0.01    | <0.5     | <1       | <1       | <1       | <0.01    | <10      | <0.01    |  |
| BLANK                      |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | <1       | <0.01    | <10      | <0.01    |  |
| BLANK                      |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | <1       | <0.01    | <10      | <0.01    |  |
| BLANK                      |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | <1       | <0.01    | <10      | <0.01    |  |
| BLANK                      |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | 1        | <1       | <0.01    | <10      | <0.01    |  |
| BLANK                      |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | 0.01     | <0.5     | <1       | <1       | <1       | <0.01    | <10      | <0.01    |  |
| Target Range - Lower Bound | <0.5    | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.01    | <0.5     | <1       | <1       | <1       | <0.01    | <10      | <0.01    |  |
| Upper Bound                | 1.0     | 0.02     | 10       | 20       | 1.0      | 4        | 0.02     | 1.0      | 2        | 2        | 2        | 2        | 0.02     | 20       | 0.02     |  |
| <b>DUPLICATES</b>          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| ORIGINAL                   | 0.41    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| DUP                        | 0.38    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | 0.37    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 0.42    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| ORIGINAL                   | 0.04    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| DUP                        | 0.04    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | 0.03    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 0.05    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| ORIGINAL                   | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| DUP                        | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 0.03    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| W934638                    |         | <0.5     | 8.29     | <5       | 5890     | 2.9      | <2       | 0.23     | <0.5     | 7        | 51       | 77       | 2.67     | 20       | 3.23     |  |
| DUP                        |         | <0.5     | 8.49     | <5       | 6030     | 3.0      | <2       | 0.23     | <0.5     | 6        | 51       | 80       | 2.71     | 20       | 3.32     |  |
| Target Range - Lower Bound |         | <0.5     | 7.96     | <5       | 5500     | 2.3      | <2       | 0.21     | <0.5     | 5        | 47       | 75       | 2.55     | <10      | 3.10     |  |
| Upper Bound                |         | 1.0      | 8.82     | 10       | 6420     | 3.6      | 4        | 0.25     | 1.0      | 8        | 55       | 82       | 2.83     | 30       | 3.45     |  |



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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**QC CERTIFICATE OF ANALYSIS TM20055703**

| Method Analyte Units LOD   | ME-ICP61 La ppm | ME-ICP61 Mg % | ME-ICP61 Mn ppm | ME-ICP61 Mo ppm | ME-ICP61 Na % | ME-ICP61 Ni ppm | ME-ICP61 P ppm | ME-ICP61 Pb ppm | ME-ICP61 S % | ME-ICP61 Sb ppm | ME-ICP61 Sc ppm | ME-ICP61 Sr ppm | ME-ICP61 Th ppm | ME-ICP61 Ti % | ME-ICP61 Tl ppm |
|----------------------------|-----------------|---------------|-----------------|-----------------|---------------|-----------------|----------------|-----------------|--------------|-----------------|-----------------|-----------------|-----------------|---------------|-----------------|
| <b>Sample Description</b>  | 10              | 0.01          | 5               | 1               | 0.01          | 1               | 10             | 2               | 0.01         | 5               | 1               | 1               | 20              | 0.01          | 10              |
| <b>BLANKS</b>              |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Target Range - Lower Bound |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Upper Bound                |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| BLANK                      | <10             | <0.01         | <5              | <1              | <0.01         | <1              | <10            | <2              | <0.01        | <5              | <1              | 1               | <20             | <0.01         | <10             |
| BLANK                      | <10             | <0.01         | <5              | <1              | <0.01         | <1              | <10            | <2              | <0.01        | <5              | <1              | <1              | <20             | <0.01         | <10             |
| BLANK                      | <10             | <0.01         | <5              | <1              | <0.01         | 1               | <10            | <2              | <0.01        | <5              | <1              | <1              | <20             | <0.01         | <10             |
| BLANK                      | <10             | <0.01         | <5              | <1              | <0.01         | 1               | <10            | <2              | <0.01        | <5              | <1              | <1              | <20             | <0.01         | <10             |
| BLANK                      | <10             | <0.01         | <5              | <1              | <0.01         | <1              | <10            | 2               | <0.01        | <5              | <1              | <1              | <20             | <0.01         | <10             |
| BLANK                      | <10             | <0.01         | <5              | <1              | <0.01         | <1              | <10            | <2              | <0.01        | <5              | <1              | 2               | <20             | <0.01         | <10             |
| BLANK                      | <10             | <0.01         | <5              | <1              | <0.01         | <1              | <10            | <2              | <0.01        | <5              | <1              | <1              | <20             | <0.01         | <10             |
| BLANK                      | <10             | <0.01         | <5              | <1              | <0.01         | <1              | <10            | <2              | <0.01        | <5              | <1              | <1              | <20             | <0.01         | <10             |
| Target Range - Lower Bound | <10             | <0.01         | <5              | <1              | <0.01         | <1              | <10            | <2              | <0.01        | <5              | <1              | <1              | <20             | <0.01         | <10             |
| Upper Bound                | 20              | 0.02          | 10              | 2               | 0.02          | 2               | 20             | 4               | 0.02         | 10              | 2               | 2               | 40              | 0.02          | 20              |
| <b>DUPLICATES</b>          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| ORIGINAL                   |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| DUP                        |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Target Range - Lower Bound |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Upper Bound                |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| ORIGINAL                   |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| DUP                        |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Target Range - Lower Bound |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Upper Bound                |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| W934638                    | 60              | 0.06          | 130             | <1              | 5.30          | 3               | 750            | 12              | 0.19         | <5              | 3               | 558             | 30              | 0.09          | <10             |
| DUP                        | 60              | 0.06          | 133             | <1              | 5.48          | 4               | 780            | 12              | 0.20         | <5              | 3               | 566             | 30              | 0.10          | <10             |
| Target Range - Lower Bound | 50              | 0.05          | 120             | <1              | 5.11          | 2               | 720            | 9               | 0.18         | <5              | 2               | 533             | <20             | 0.08          | <10             |
| Upper Bound                | 70              | 0.07          | 143             | 2               | 5.67          | 5               | 810            | 15              | 0.21         | 10              | 4               | 591             | 40              | 0.11          | 20              |





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 North Vancouver BC V7H 0A7  
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**QC CERTIFICATE OF ANALYSIS TM20055703**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 U ppm 10 | ME-ICP61 V ppm 1 | ME-ICP61 W ppm 10 | ME-ICP61 Zn ppm 2 |
|----------------------------|--------------------------|-------------------|------------------|-------------------|-------------------|
| <b>BLANKS</b>              |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| Target Range - Lower Bound |                          | <10               | <1               | <10               | <2                |
| Upper Bound                |                          | 20                | 2                | 20                | 4                 |
| <b>DUPLICATES</b>          |                          |                   |                  |                   |                   |
| ORIGINAL                   |                          |                   |                  |                   |                   |
| DUP                        |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| ORIGINAL                   |                          |                   |                  |                   |                   |
| DUP                        |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| W934638                    |                          | <10               | 34               | <10               | 19                |
| DUP                        |                          | <10               | 34               | <10               | 20                |
| Target Range - Lower Bound |                          | <10               | 31               | <10               | 17                |
| Upper Bound                |                          | 20                | 37               | 20                | 22                |



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**QC CERTIFICATE OF ANALYSIS TM20055703**

| Sample Description         | Method Analyte Units LOD | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |  |
|----------------------------|--------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|--|
|                            |                          | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K %  |  |
|                            |                          | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       | 0.01 |  |
| <b>DUPLICATES</b>          |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |      |  |
| W934639                    |                          | 0.03    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |  |
| DUP                        |                          | 0.03    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |  |
| Target Range - Lower Bound |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |  |
| Upper Bound                |                          | 0.04    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |  |
| W934674                    |                          | <0.5    | 2.09     | <5       | 50       | 3.3      | <2       | 3.34     | <0.5     | 66       | 953      | 33       | 4.52     | 10       | 1.19     |      |  |
| DUP                        |                          | <0.5    | 2.13     | <5       | 50       | 3.5      | 2        | 3.45     | <0.5     | 67       | 935      | 38       | 4.64     | 10       | 1.21     |      |  |
| Target Range - Lower Bound |                          | <0.5    | 1.99     | <5       | 40       | 2.7      | <2       | 3.22     | <0.5     | 62       | 896      | 33       | 4.34     | <10      | 1.13     |      |  |
| Upper Bound                |                          | 1.0     | 2.23     | 10       | 60       | 4.1      | 4        | 3.57     | 1.0      | 71       | 992      | 38       | 4.82     | 20       | 1.27     |      |  |
| W934683                    |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |  |
| DUP                        |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |  |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |  |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |  |
| W934710                    |                          | <0.5    | 1.13     | <5       | 30       | <0.5     | <2       | 0.28     | <0.5     | 2        | 13       | 5        | 1.02     | <10      | 0.06     |      |  |
| DUP                        |                          | <0.5    | 1.11     | <5       | 20       | <0.5     | <2       | 0.27     | <0.5     | 3        | 14       | 5        | 1.00     | <10      | 0.06     |      |  |
| Target Range - Lower Bound |                          | <0.5    | 1.05     | <5       | <10      | <0.5     | <2       | 0.25     | <0.5     | <1       | 12       | 4        | 0.95     | <10      | 0.05     |      |  |
| Upper Bound                |                          | 1.0     | 1.19     | 10       | 40       | 1.0      | 4        | 0.30     | 1.0      | 4        | 15       | 6        | 1.07     | 20       | 0.07     |      |  |
| W934721                    |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |  |
| DUP                        |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |  |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |  |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |  |
| W934741                    |                          | 0.11    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |  |
| DUP                        |                          | 0.14    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |  |
| Target Range - Lower Bound |                          | 0.11    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |  |
| Upper Bound                |                          | 0.14    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |  |
| W934746                    |                          | 9.5     | 4.02     | <5       | 160      | 1.2      | 71       | 2.41     | <0.5     | 7        | 21       | 89       | 2.41     | 10       | 1.08     |      |  |
| DUP                        |                          | 10.6    | 4.17     | <5       | 190      | 1.2      | 73       | 2.42     | <0.5     | 9        | 22       | 92       | 2.46     | 10       | 1.11     |      |  |
| Target Range - Lower Bound |                          | 9.0     | 3.88     | <5       | 150      | 0.6      | 66       | 2.28     | <0.5     | 7        | 19       | 86       | 2.30     | <10      | 1.03     |      |  |
| Upper Bound                |                          | 11.1    | 4.31     | 10       | 200      | 1.8      | 78       | 2.55     | 1.0      | 9        | 24       | 95       | 2.57     | 20       | 1.16     |      |  |
| W934761                    |                          | 0.25    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |  |
| DUP                        |                          | 0.19    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |  |
| Target Range - Lower Bound |                          | 0.20    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |  |
| Upper Bound                |                          | 0.24    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |  |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM20055703**

| Sample Description                                          | Method Analyte Units LOD | ME-ICP61              | ME-ICP61                         | ME-ICP61                 | ME-ICP61                 | ME-ICP61                     | ME-ICP61                     | ME-ICP61                 | ME-ICP61                 | ME-ICP61                        | ME-ICP61             | ME-ICP61            | ME-ICP61                 | ME-ICP61                | ME-ICP61                     |                         |
|-------------------------------------------------------------|--------------------------|-----------------------|----------------------------------|--------------------------|--------------------------|------------------------------|------------------------------|--------------------------|--------------------------|---------------------------------|----------------------|---------------------|--------------------------|-------------------------|------------------------------|-------------------------|
|                                                             |                          | La ppm                | Mg %                             | Mn ppm                   | Mo ppm                   | Na %                         | Ni ppm                       | P ppm                    | Pb ppm                   | S %                             | Sb ppm               | Sc ppm              | Sr ppm                   | Th ppm                  | Ti %                         | Tl ppm                  |
|                                                             |                          | 10                    | 0.01                             | 5                        | 1                        | 0.01                         | 1                            | 10                       | 2                        | 0.01                            | 5                    | 1                   | 1                        | 20                      | 0.01                         | 10                      |
| <b>DUPLICATES</b>                                           |                          |                       |                                  |                          |                          |                              |                              |                          |                          |                                 |                      |                     |                          |                         |                              |                         |
| W934639<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                       |                                  |                          |                          |                              |                              |                          |                          |                                 |                      |                     |                          |                         |                              |                         |
| W934674<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | 10<br>10<br><10<br>20 | 12.75<br>13.15<br>12.30<br>13.60 | 725<br>747<br>694<br>778 | <1<br><1<br><1<br>2      | 0.06<br>0.06<br>0.05<br>0.07 | 1185<br>1205<br>1135<br>1255 | 30<br>30<br>20<br>40     | 9<br>10<br>7<br>12       | 0.06<br>0.06<br>0.05<br>0.07    | 5<br><5<br><5<br>10  | 10<br>11<br>9<br>12 | 104<br>108<br>100<br>112 | <20<br><20<br><20<br>40 | 0.07<br>0.07<br>0.06<br>0.08 | <10<br><10<br><10<br>20 |
| W934683<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                       |                                  |                          |                          |                              |                              |                          |                          |                                 |                      |                     |                          |                         |                              |                         |
| W934710<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | 10<br>10<br><10<br>20 | 0.17<br>0.17<br>0.15<br>0.19     | 101<br>96<br>89<br>108   | 1<br><1<br><1<br>2       | 0.11<br>0.11<br>0.09<br>0.13 | 3<br>3<br>2<br>4             | 80<br>80<br>70<br>90     | <2<br><2<br><2<br>4      | <0.01<br><0.01<br><0.01<br>0.02 | <5<br><5<br><5<br>10 | 2<br>2<br><1<br>3   | 27<br>27<br>25<br>29     | <20<br><20<br><20<br>40 | 0.06<br>0.05<br>0.04<br>0.07 | 10<br><10<br><10<br>20  |
| W934721<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                       |                                  |                          |                          |                              |                              |                          |                          |                                 |                      |                     |                          |                         |                              |                         |
| W934741<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                       |                                  |                          |                          |                              |                              |                          |                          |                                 |                      |                     |                          |                         |                              |                         |
| W934746<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | 30<br>30<br>20<br>40  | 0.90<br>0.91<br>0.85<br>0.96     | 570<br>577<br>540<br>607 | 480<br>484<br>457<br>507 | 1.99<br>2.07<br>1.92<br>2.14 | 10<br>11<br>9<br>12          | 630<br>630<br>590<br>670 | 108<br>106<br>100<br>114 | 1.44<br>1.50<br>1.39<br>1.55    | <5<br><5<br><5<br>10 | 5<br>5<br>4<br>6    | 447<br>464<br>432<br>479 | <20<br><20<br><20<br>40 | 0.10<br>0.10<br>0.09<br>0.12 | <10<br><10<br><10<br>20 |
| W934761<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                       |                                  |                          |                          |                              |                              |                          |                          |                                 |                      |                     |                          |                         |                              |                         |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM20055703**

| Sample Description                                          | Method Analyte Units LOD | ME-ICP61 U ppm 10       | ME-ICP61 V ppm 1     | ME-ICP61 W ppm 10       | ME-ICP61 Zn ppm 2    |
|-------------------------------------------------------------|--------------------------|-------------------------|----------------------|-------------------------|----------------------|
| <b>DUPLICATES</b>                                           |                          |                         |                      |                         |                      |
| W934639<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                      |                         |                      |
| W934674<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | 10<br>10<br><10<br>20   | 81<br>83<br>77<br>87 | <10<br><10<br><10<br>20 | 62<br>63<br>57<br>68 |
| W934683<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                      |                         |                      |
| W934710<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | <10<br><10<br><10<br>20 | 18<br>17<br>16<br>19 | <10<br><10<br><10<br>20 | 9<br>9<br>7<br>11    |
| W934721<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                      |                         |                      |
| W934741<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                      |                         |                      |
| W934746<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | <10<br><10<br><10<br>20 | 42<br>43<br>39<br>46 | <10<br><10<br><10<br>20 | 26<br>26<br>23<br>29 |
| W934761<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                      |                         |                      |



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 Finalized Date: 7-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20055703**

| Sample Description         | Method Analyte Units LOD | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|----------------------------|--------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                            |                          | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K %  |
|                            |                          | 0.01    | 0.5      | 0.01     | 5        | 10       |          |          |          |          |          |          |          |          |          |      |
| <b>DUPLICATES</b>          |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W934782                    |                          |         | <0.5     | 7.92     | <5       | 2700     | 2.0      | 2        | 2.79     | <0.5     | 12       | 31       | 59       | 3.20     | 20       | 2.86 |
| DUP                        |                          |         | <0.5     | 7.64     | <5       | 2740     | 1.9      | <2       | 2.89     | <0.5     | 11       | 31       | 60       | 3.20     | 20       | 2.86 |
| Target Range - Lower Bound |                          |         | <0.5     | 7.38     | <5       | 2510     | 1.4      | <2       | 2.69     | <0.5     | 10       | 28       | 56       | 3.03     | <10      | 2.71 |
| Upper Bound                |                          |         | 1.0      | 8.18     | 10       | 2930     | 2.5      | 4        | 2.99     | 1.0      | 13       | 34       | 63       | 3.37     | 30       | 3.01 |
| W934818                    |                          |         | <0.5     | 7.52     | <5       | 2670     | 2.2      | <2       | 2.82     | <0.5     | 13       | 31       | 29       | 3.40     | 20       | 2.34 |
| DUP                        |                          |         | <0.5     | 7.27     | <5       | 2600     | 2.1      | <2       | 2.73     | <0.5     | 12       | 29       | 27       | 3.30     | 20       | 2.27 |
| Target Range - Lower Bound |                          |         | <0.5     | 7.02     | <5       | 2430     | 1.5      | <2       | 2.63     | <0.5     | 11       | 28       | 26       | 3.17     | <10      | 2.18 |
| Upper Bound                |                          |         | 1.0      | 7.77     | 10       | 2840     | 2.8      | 4        | 2.92     | 1.0      | 14       | 33       | 30       | 3.53     | 30       | 2.43 |
| W934838                    |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W934854                    |                          |         | <0.5     | 7.50     | <5       | 2190     | 1.7      | <2       | 2.16     | <0.5     | 10       | 41       | 25       | 2.62     | 20       | 2.53 |
| DUP                        |                          |         | <0.5     | 7.21     | <5       | 2130     | 1.7      | 4        | 2.07     | <0.5     | 12       | 40       | 25       | 2.59     | 20       | 2.51 |
| Target Range - Lower Bound |                          |         | <0.5     | 6.98     | <5       | 1990     | 1.1      | <2       | 2.00     | <0.5     | 9        | 37       | 23       | 2.46     | <10      | 2.38 |
| Upper Bound                |                          |         | 1.0      | 7.73     | 10       | 2330     | 2.3      | 4        | 2.23     | 1.0      | 13       | 44       | 27       | 2.75     | 30       | 2.66 |
| W934889                    |                          | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W934890                    |                          |         | <0.5     | 0.88     | <5       | 10       | <0.5     | <2       | 0.03     | <0.5     | 1        | 20       | 1        | 0.62     | <10      | 0.04 |
| DUP                        |                          |         | <0.5     | 0.91     | <5       | 10       | <0.5     | <2       | 0.03     | <0.5     | 1        | 19       | 1        | 0.67     | <10      | 0.04 |
| Target Range - Lower Bound |                          |         | <0.5     | 0.84     | <5       | <10      | <0.5     | <2       | 0.02     | <0.5     | <1       | 18       | <1       | 0.60     | <10      | 0.03 |
| Upper Bound                |                          |         | 1.0      | 0.95     | 10       | 20       | 1.0      | 4        | 0.04     | 1.0      | 2        | 21       | 2        | 0.69     | 20       | 0.05 |
| ORIGINAL                   |                          | 0.11    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | 0.11    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 0.09    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.13    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| ORIGINAL                   |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Plus Appendix Pages  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20055703**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|----------------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                            |                          | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti %     | Tl ppm |
|                            |                          | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01     | 10     |
| <b>DUPLICATES</b>          |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W934782                    |                          | 50       | 1.52     | 624      | <1       | 3.54     | 18       | 1360     | 23       | 0.09     | <5       | 9        | 1135     | 20       | 0.24     | 10     |
| DUP                        |                          | 40       | 1.53     | 634      | <1       | 3.50     | 18       | 1400     | 27       | 0.09     | <5       | 9        | 1130     | 20       | 0.24     | <10    |
| Target Range - Lower Bound |                          | 30       | 1.44     | 593      | <1       | 3.33     | 16       | 1300     | 22       | 0.08     | <5       | 8        | 1075     | <20      | 0.22     | <10    |
| Upper Bound                |                          | 60       | 1.61     | 665      | 2        | 3.71     | 20       | 1460     | 28       | 0.10     | 10       | 10       | 1190     | 40       | 0.26     | 20     |
| W934818                    |                          | 40       | 1.39     | 643      | 1        | 3.85     | 16       | 1410     | 24       | 1.13     | <5       | 9        | 649      | <20      | 0.22     | <10    |
| DUP                        |                          | 40       | 1.33     | 618      | 1        | 3.75     | 18       | 1360     | 23       | 1.10     | <5       | 8        | 630      | <20      | 0.22     | <10    |
| Target Range - Lower Bound |                          | 30       | 1.28     | 594      | <1       | 3.60     | 15       | 1310     | 20       | 1.05     | <5       | 7        | 607      | <20      | 0.20     | <10    |
| Upper Bound                |                          | 50       | 1.44     | 667      | 2        | 4.00     | 19       | 1460     | 27       | 1.18     | 10       | 10       | 672      | 40       | 0.24     | 20     |
| W934838                    |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W934854                    |                          | 40       | 1.54     | 520      | 2        | 4.05     | 23       | 1110     | 21       | 0.74     | <5       | 8        | 703      | <20      | 0.16     | <10    |
| DUP                        |                          | 30       | 1.48     | 503      | 2        | 3.87     | 24       | 1070     | 22       | 0.73     | <5       | 7        | 697      | <20      | 0.15     | <10    |
| Target Range - Lower Bound |                          | 20       | 1.42     | 481      | <1       | 3.75     | 21       | 1030     | 18       | 0.69     | <5       | 6        | 664      | <20      | 0.14     | <10    |
| Upper Bound                |                          | 50       | 1.60     | 542      | 3        | 4.17     | 26       | 1150     | 25       | 0.78     | 10       | 9        | 736      | 40       | 0.17     | 20     |
| W934889                    |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W934890                    |                          | 10       | 0.06     | 26       | <1       | 0.01     | 8        | 50       | <2       | <0.01    | <5       | 1        | 25       | <20      | 0.02     | <10    |
| DUP                        |                          | 10       | 0.06     | 27       | <1       | 0.01     | 8        | 50       | <2       | <0.01    | <5       | 1        | 25       | <20      | 0.03     | <10    |
| Target Range - Lower Bound |                          | <10      | 0.05     | 20       | <1       | <0.01    | 7        | 40       | <2       | <0.01    | <5       | <1       | 23       | <20      | <0.01    | <10    |
| Upper Bound                |                          | 20       | 0.07     | 33       | 2        | 0.02     | 9        | 60       | 4        | 0.02     | 10       | 2        | 27       | 40       | 0.04     | 20     |
| ORIGINAL                   |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| ORIGINAL                   |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

|                                                 |
|-------------------------------------------------|
| <b>QC CERTIFICATE OF ANALYSIS    TM20055703</b> |
|-------------------------------------------------|

| Sample Description         | Method Analyte Units LOD | ME-ICP61 U ppm | ME-ICP61 V ppm | ME-ICP61 W ppm | ME-ICP61 Zn ppm |
|----------------------------|--------------------------|----------------|----------------|----------------|-----------------|
|                            |                          | 10             | 1              | 10             | 2               |
| <b>DUPLICATES</b>          |                          |                |                |                |                 |
| W934782                    |                          | <10            | 86             | <10            | 68              |
| DUP                        |                          | <10            | 87             | <10            | 70              |
| Target Range - Lower Bound |                          | <10            | 81             | <10            | 64              |
| Upper Bound                |                          | 20             | 92             | 20             | 74              |
| W934818                    |                          | <10            | 86             | <10            | 60              |
| DUP                        |                          | <10            | 82             | <10            | 57              |
| Target Range - Lower Bound |                          | <10            | 79             | <10            | 54              |
| Upper Bound                |                          | 20             | 89             | 20             | 63              |
| W934838                    |                          |                |                |                |                 |
| DUP                        |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| W934854                    |                          | <10            | 57             | <10            | 43              |
| DUP                        |                          | <10            | 56             | <10            | 45              |
| Target Range - Lower Bound |                          | <10            | 53             | <10            | 40              |
| Upper Bound                |                          | 20             | 60             | 20             | 48              |
| W934889                    |                          |                |                |                |                 |
| DUP                        |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| W934890                    |                          | <10            | 4              | <10            | 2               |
| DUP                        |                          | <10            | 4              | <10            | 2               |
| Target Range - Lower Bound |                          | <10            | 3              | <10            | <2              |
| Upper Bound                |                          | 20             | 5              | 20             | 4               |
| ORIGINAL                   |                          |                |                |                |                 |
| DUP                        |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| ORIGINAL                   |                          |                |                |                |                 |
| DUP                        |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20055703**

| Sample Description         | Method<br>Analyte<br>Units<br>LOD | Au-AA26   | ME-ICP61  | ME-ICP61 | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61 | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61 | ME-ICP61  |        |
|----------------------------|-----------------------------------|-----------|-----------|----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|----------|-----------|--------|
|                            |                                   | Au<br>ppm | Ag<br>ppm | Al<br>%  | As<br>ppm | Ba<br>ppm | Be<br>ppm | Bi<br>ppm | Ca<br>%  | Cd<br>ppm | Co<br>ppm | Cr<br>ppm | Cu<br>ppm | Fe<br>%  | Ga<br>ppm | K<br>% |
|                            |                                   | 0.01      | 0.5       | 0.01     | 5         | 10        | 0.5       | 2         | 0.01     | 0.5       | 1         | 1         | 1         | 0.01     | 10        | 0.01   |
| <b>DUPLICATES</b>          |                                   |           |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| ORIGINAL                   |                                   | 0.09      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| DUP                        |                                   | 0.06      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Target Range - Lower Bound |                                   | 0.06      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Upper Bound                |                                   | 0.09      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| ORIGINAL                   |                                   | 0.03      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| DUP                        |                                   | 0.03      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Target Range - Lower Bound |                                   | 0.02      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Upper Bound                |                                   | 0.04      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| ORIGINAL                   |                                   | 0.09      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| DUP                        |                                   | 0.14      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Target Range - Lower Bound |                                   | 0.10      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Upper Bound                |                                   | 0.13      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| ORIGINAL                   |                                   | <0.01     |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| DUP                        |                                   | <0.01     |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Target Range - Lower Bound |                                   | <0.01     |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Upper Bound                |                                   | 0.02      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| ORIGINAL                   |                                   | <0.01     |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| DUP                        |                                   | <0.01     |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Target Range - Lower Bound |                                   | <0.01     |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Upper Bound                |                                   | 0.02      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| ORIGINAL                   |                                   | 0.04      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| DUP                        |                                   | 0.04      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Target Range - Lower Bound |                                   | 0.03      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Upper Bound                |                                   | 0.05      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| ORIGINAL                   |                                   | 0.01      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| DUP                        |                                   | <0.01     |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Target Range - Lower Bound |                                   | <0.01     |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Upper Bound                |                                   | 0.02      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| ORIGINAL                   |                                   | <0.01     |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| DUP                        |                                   | <0.01     |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Target Range - Lower Bound |                                   | <0.01     |           |          |           |           |           |           |          |           |           |           |           |          |           |        |
| Upper Bound                |                                   | 0.02      |           |          |           |           |           |           |          |           |           |           |           |          |           |        |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

|                                   |                   |
|-----------------------------------|-------------------|
| <b>QC CERTIFICATE OF ANALYSIS</b> | <b>TM20055703</b> |
|-----------------------------------|-------------------|

| Sample Description                                           | Method Analyte Units LOD | ME-ICP61<br>La<br>ppm<br>10 | ME-ICP61<br>Mg<br>%<br>0.01 | ME-ICP61<br>Mn<br>ppm<br>5 | ME-ICP61<br>Mo<br>ppm<br>1 | ME-ICP61<br>Na<br>%<br>0.01 | ME-ICP61<br>Ni<br>ppm<br>1 | ME-ICP61<br>P<br>ppm<br>10 | ME-ICP61<br>Pb<br>ppm<br>2 | ME-ICP61<br>S<br>%<br>0.01 | ME-ICP61<br>Sb<br>ppm<br>5 | ME-ICP61<br>Sc<br>ppm<br>1 | ME-ICP61<br>Sr<br>ppm<br>1 | ME-ICP61<br>Th<br>ppm<br>20 | ME-ICP61<br>Ti<br>%<br>0.01 | ME-ICP61<br>Tl<br>ppm<br>10 |  |
|--------------------------------------------------------------|--------------------------|-----------------------------|-----------------------------|----------------------------|----------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|--|
| <b>DUPLICATES</b>                                            |                          |                             |                             |                            |                            |                             |                            |                            |                            |                            |                            |                            |                            |                             |                             |                             |  |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                             |                            |                            |                             |                            |                            |                            |                            |                            |                            |                            |                             |                             |                             |  |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                             |                            |                            |                             |                            |                            |                            |                            |                            |                            |                            |                             |                             |                             |  |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                             |                            |                            |                             |                            |                            |                            |                            |                            |                            |                            |                             |                             |                             |  |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                             |                            |                            |                             |                            |                            |                            |                            |                            |                            |                            |                             |                             |                             |  |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                             |                            |                            |                             |                            |                            |                            |                            |                            |                            |                            |                             |                             |                             |  |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                             |                            |                            |                             |                            |                            |                            |                            |                            |                            |                            |                             |                             |                             |  |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                             |                            |                            |                             |                            |                            |                            |                            |                            |                            |                            |                             |                             |                             |  |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                             |                            |                            |                             |                            |                            |                            |                            |                            |                            |                            |                             |                             |                             |  |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                             |                            |                            |                             |                            |                            |                            |                            |                            |                            |                            |                             |                             |                             |  |



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 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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|                                                 |
|-------------------------------------------------|
| <b>QC CERTIFICATE OF ANALYSIS    TM20055703</b> |
|-------------------------------------------------|

| Sample Description                                           | Method Analyte Units LOD | ME-ICP61<br>U<br>ppm<br>10 | ME-ICP61<br>V<br>ppm<br>1 | ME-ICP61<br>W<br>ppm<br>10 | ME-ICP61<br>Zn<br>ppm<br>2 |
|--------------------------------------------------------------|--------------------------|----------------------------|---------------------------|----------------------------|----------------------------|
| DUPLICATES                                                   |                          |                            |                           |                            |                            |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                            |                           |                            |                            |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                            |                           |                            |                            |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                            |                           |                            |                            |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                            |                           |                            |                            |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                            |                           |                            |                            |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                            |                           |                            |                            |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                            |                           |                            |                            |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                            |                           |                            |                            |



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| Sample Description         | Method Analyte Units LOD | Au-AA26<br>Au<br>ppm<br>0.01 | ME-ICP61<br>Ag<br>ppm<br>0.5 | ME-ICP61<br>Al<br>%<br>0.01 | ME-ICP61<br>As<br>ppm<br>5 | ME-ICP61<br>Ba<br>ppm<br>10 | ME-ICP61<br>Be<br>ppm<br>0.5 | ME-ICP61<br>Bi<br>ppm<br>2 | ME-ICP61<br>Ca<br>%<br>0.01 | ME-ICP61<br>Cd<br>ppm<br>0.5 | ME-ICP61<br>Co<br>ppm<br>1 | ME-ICP61<br>Cr<br>ppm<br>1 | ME-ICP61<br>Cu<br>ppm<br>1 | ME-ICP61<br>Fe<br>%<br>0.01 | ME-ICP61<br>Ga<br>ppm<br>10 | ME-ICP61<br>K<br>%<br>0.01 |
|----------------------------|--------------------------|------------------------------|------------------------------|-----------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|----------------------------|
| <b>DUPLICATES</b>          |                          |                              |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| ORIGINAL                   |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| ORIGINAL                   |                          | 0.04                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | 0.05                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | 0.03                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.06                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| ORIGINAL                   |                          | 0.03                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | 0.03                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.04                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| ORIGINAL                   |                          | 0.01                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | 0.01                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| ORIGINAL                   |                          | 0.14                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | 0.12                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | 0.11                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.15                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| ORIGINAL                   |                          | 2.22                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | 2.05                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | 2.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 2.25                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| ORIGINAL                   |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
|                            |                          |                              |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |



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 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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| Sample Description                                           | Method Analyte Units LOD | ME-ICP61<br>La<br>ppm<br>10 | ME-ICP61<br>Mg<br>%<br>0.01 | ME-ICP61<br>Mn<br>ppm<br>5 | ME-ICP61<br>Mo<br>ppm<br>1 | ME-ICP61<br>Na<br>%<br>0.01 | ME-ICP61<br>Ni<br>ppm<br>1 | ME-ICP61<br>P<br>ppm<br>10 | ME-ICP61<br>Pb<br>ppm<br>2 | ME-ICP61<br>S<br>%<br>0.01 | ME-ICP61<br>Sb<br>ppm<br>5 | ME-ICP61<br>Sc<br>ppm<br>1 | ME-ICP61<br>Sr<br>ppm<br>1 | ME-ICP61<br>Th<br>ppm<br>20 | ME-ICP61<br>Ti<br>%<br>0.01 | ME-ICP61<br>Tl<br>ppm<br>10 |  |
|--------------------------------------------------------------|--------------------------|-----------------------------|-----------------------------|----------------------------|----------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|--|
| <b>DUPLICATES</b>                                            |                          |                             |                             |                            |                            |                             |                            |                            |                            |                            |                            |                            |                            |                             |                             |                             |  |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                             |                            |                            |                             |                            |                            |                            |                            |                            |                            |                            |                             |                             |                             |  |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                             |                            |                            |                             |                            |                            |                            |                            |                            |                            |                            |                             |                             |                             |  |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                             |                            |                            |                             |                            |                            |                            |                            |                            |                            |                            |                             |                             |                             |  |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                             |                            |                            |                             |                            |                            |                            |                            |                            |                            |                            |                             |                             |                             |  |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                             |                            |                            |                             |                            |                            |                            |                            |                            |                            |                            |                             |                             |                             |  |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                             |                            |                            |                             |                            |                            |                            |                            |                            |                            |                            |                             |                             |                             |  |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                             |                            |                            |                             |                            |                            |                            |                            |                            |                            |                            |                             |                             |                             |  |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                             |                            |                            |                             |                            |                            |                            |                            |                            |                            |                            |                             |                             |                             |  |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                             |                            |                            |                             |                            |                            |                            |                            |                            |                            |                            |                             |                             |                             |  |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                             |                            |                            |                             |                            |                            |                            |                            |                            |                            |                            |                             |                             |                             |  |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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| <b>QC CERTIFICATE OF ANALYSIS    TM20055703</b> |
|-------------------------------------------------|

| Sample Description                                           | Method<br>Analyte<br>Units<br>LOD | ME-ICP61<br>U<br>ppm<br>10 | ME-ICP61<br>V<br>ppm<br>1 | ME-ICP61<br>W<br>ppm<br>10 | ME-ICP61<br>Zn<br>ppm<br>2 |
|--------------------------------------------------------------|-----------------------------------|----------------------------|---------------------------|----------------------------|----------------------------|
| <b>DUPLICATES</b>                                            |                                   |                            |                           |                            |                            |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                                   |                            |                           |                            |                            |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                                   |                            |                           |                            |                            |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                                   |                            |                           |                            |                            |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                                   |                            |                           |                            |                            |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                                   |                            |                           |                            |                            |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                                   |                            |                           |                            |                            |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                                   |                            |                           |                            |                            |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                                   |                            |                           |                            |                            |
|                                                              |                                   |                            |                           |                            |                            |



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 North Vancouver BC V7H 0A7  
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| Sample Description     | Method<br>Analyte<br>Units<br>LOD | Au-AA26<br>Au<br>ppm<br>0.01 | ME-ICP61<br>Ag<br>ppm<br>0.5 | ME-ICP61<br>Al<br>%<br>0.01 | ME-ICP61<br>As<br>ppm<br>5 | ME-ICP61<br>Ba<br>ppm<br>10 | ME-ICP61<br>Be<br>ppm<br>0.5 | ME-ICP61<br>Bi<br>ppm<br>2 | ME-ICP61<br>Ca<br>%<br>0.01 | ME-ICP61<br>Cd<br>ppm<br>0.5 | ME-ICP61<br>Co<br>ppm<br>1 | ME-ICP61<br>Cr<br>ppm<br>1 | ME-ICP61<br>Cu<br>ppm<br>1 | ME-ICP61<br>Fe<br>%<br>0.01 | ME-ICP61<br>Ga<br>ppm<br>10 | ME-ICP61<br>K<br>%<br>0.01 |
|------------------------|-----------------------------------|------------------------------|------------------------------|-----------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|----------------------------|
| <b>PREP DUPLICATES</b> |                                   |                              |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| W934701                |                                   | 0.03                         | <0.5                         | 8.01                        | 6                          | 2210                        | 2.2                          | <2                         | 0.75                        | <0.5                         | 10                         | 41                         | 134                        | 3.06                        | 20                          | 2.99                       |
| W934701 PREP DUP       |                                   | 0.03                         | <0.5                         | 8.08                        | <5                         | 2260                        | 2.2                          | <2                         | 0.77                        | <0.5                         | 12                         | 43                         | 133                        | 3.07                        | 20                          | 3.08                       |
| W934764                |                                   | 0.01                         | <0.5                         | 7.23                        | <5                         | 2330                        | 1.9                          | <2                         | 2.54                        | <0.5                         | 13                         | 33                         | 59                         | 3.05                        | 20                          | 1.69                       |
| W934764 PREP DUP       |                                   | <0.01                        | <0.5                         | 7.39                        | <5                         | 2460                        | 2.0                          | 2                          | 2.69                        | <0.5                         | 15                         | 34                         | 63                         | 3.21                        | 20                          | 1.72                       |
| W934825                |                                   | 0.04                         | <0.5                         | 7.22                        | <5                         | 2950                        | 2.0                          | <2                         | 3.13                        | <0.5                         | 12                         | 28                         | 29                         | 3.21                        | 20                          | 2.29                       |
| W934825 PREP DUP       |                                   | 0.02                         | <0.5                         | 6.74                        | <5                         | 2730                        | 1.9                          | 2                          | 3.01                        | <0.5                         | 13                         | 27                         | 28                         | 3.02                        | 20                          | 2.13                       |
| W934889                |                                   | 0.01                         | <0.5                         | 2.68                        | <5                         | 120                         | <0.5                         | <2                         | 4.81                        | 0.9                          | 76                         | 1175                       | 30                         | 5.87                        | 10                          | 0.03                       |
| W934889 PREP DUP       |                                   | 0.02                         | <0.5                         | 2.73                        | <5                         | 130                         | <0.5                         | <2                         | 4.98                        | 1.2                          | 78                         | 1195                       | 34                         | 5.94                        | 10                          | 0.03                       |

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| Sample Description     | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |     |
|------------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|
|                        |                          | La       | Mg       | Mn       | Mo       | Na       | Ni       | P        | Pb       | S        | Sb       | Sc       | Sr       | Th       | Ti       | Tl  |
|                        |                          | ppm      | %        | ppm      | ppm      | %        | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | ppm      | %   |
|                        |                          | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01     | 10  |
| <b>PREP DUPLICATES</b> |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| W934701                |                          | 50       | 1.11     | 311      | 1        | 3.79     | 20       | 1460     | 30       | 0.14     | <5       | 9        | 573      | 20       | 0.22     | <10 |
| W934701 PREP DUP       |                          | 60       | 1.12     | 319      | <1       | 3.79     | 18       | 1500     | 31       | 0.15     | <5       | 9        | 588      | 20       | 0.23     | <10 |
| W934764                |                          | 40       | 1.44     | 616      | <1       | 4.01     | 17       | 1310     | 26       | 0.72     | <5       | 9        | 794      | <20      | 0.21     | <10 |
| W934764 PREP DUP       |                          | 40       | 1.54     | 659      | <1       | 4.20     | 19       | 1420     | 26       | 0.79     | <5       | 9        | 805      | <20      | 0.22     | 10  |
| W934825                |                          | 40       | 1.29     | 644      | <1       | 3.95     | 16       | 1270     | 27       | 0.39     | <5       | 8        | 1420     | <20      | 0.21     | <10 |
| W934825 PREP DUP       |                          | 30       | 1.24     | 627      | <1       | 3.65     | 14       | 1270     | 25       | 0.37     | <5       | 8        | 1245     | <20      | 0.21     | <10 |
| W934889                |                          | <10      | 12.40    | 1085     | 1        | 0.01     | 1260     | 110      | <2       | 0.01     | <5       | 17       | 250      | <20      | 0.05     | 10  |
| W934889 PREP DUP       |                          | <10      | 12.80    | 1125     | 1        | 0.01     | 1270     | 110      | <2       | 0.01     | <5       | 17       | 260      | <20      | 0.05     | 10  |



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 Account: GOLHIGH

Project: Golden Perimeter

|                                   |                   |
|-----------------------------------|-------------------|
| <b>QC CERTIFICATE OF ANALYSIS</b> | <b>TM20055703</b> |
|-----------------------------------|-------------------|

| Sample Description          | Method Analyte Units LOD | ME-ICP61 U ppm 10 | ME-ICP61 V ppm 1 | ME-ICP61 W ppm 10 | ME-ICP61 Zn ppm 2 |
|-----------------------------|--------------------------|-------------------|------------------|-------------------|-------------------|
| <b>PREP DUPLICATES</b>      |                          |                   |                  |                   |                   |
| W934701<br>W934701 PREP DUP |                          | <10<br><10        | 90<br>91         | <10<br><10        | 76<br>74          |
| W934764<br>W934764 PREP DUP |                          | <10<br><10        | 79<br>83         | <10<br><10        | 63<br>69          |
| W934825<br>W934825 PREP DUP |                          | <10<br><10        | 82<br>79         | <10<br><10        | 66<br>69          |
| W934889<br>W934889 PREP DUP |                          | <10<br><10        | 102<br>105       | <10<br><10        | 57<br>60          |
|                             |                          |                   |                  |                   |                   |





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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20055703**

| <b>CERTIFICATE COMMENTS</b> |                                                                                                                                                        |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
|                             | <b>LABORATORY ADDRESSES</b>                                                                                                                            |
| Applies to Method:          | Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.<br>Au-AA26 ME-ICP61                                             |
| Applies to Method:          | Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.<br>CRU-31 CRU-QC LOG-21 LOG-23<br>PUL-31 PUL-QC SPL-21 WEI-21 |



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 Account: GOLHIGH

**CERTIFICATE TM20062907**

Project: Golden Perimeter

This report is for 21 Drill Core samples submitted to our lab in Timmins, ON, Canada on 17-MAR-2020.

The following have access to data associated with this certificate:

|                              |              |              |
|------------------------------|--------------|--------------|
| IAN DUNLOP<br>CONOR MCKINLEY | DARWIN GREEN | NEAL MAGUIRE |
|------------------------------|--------------|--------------|

| SAMPLE PREPARATION |                               |
|--------------------|-------------------------------|
| ALS CODE           | DESCRIPTION                   |
| FND-02             | Find Sample for Addn Analysis |

| ANALYTICAL PROCEDURES |                                 |            |
|-----------------------|---------------------------------|------------|
| ALS CODE              | DESCRIPTION                     | INSTRUMENT |
| ME-XRF26              | Whole Rock By Fusion/XRF        | XRF        |
| OA-GRA05x             | LOI for XRF                     | WST-SEQ    |
| ME-MS42               | Up to 34 elements by ICP-MS     | ICP-MS     |
| S-IR08                | Total Sulphur (IR Spectroscopy) | LECO       |
| C-IR07                | Total Carbon (IR Spectroscopy)  | LECO       |
| ME-MS81               | Lithium Borate Fusion ICP-MS    | ICP-MS     |
| ME-4ACD81             | Base Metals by 4-acid dig.      | ICP-AES    |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:   
 Saa Traxler, General Manager, North Vancouver



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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20062907**

| Sample Description | Method Analyte Units LOD | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | OA-GRA05x  | ME-XRF26 |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------------|----------|
|                    |                          | Al2O3 %  | BaO %    | CaO %    | Cr2O3 %  | Fe2O3 %  | K2O %    | MgO %    | MnO %    | Na2O %   | P2O5 %   | SiO2 %   | SrO %    | TiO2 %   | LOI 1000 % | Total %  |
|                    |                          | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01       | 0.01     |
| W934639            |                          | 17.55    | 0.18     | 0.52     | <0.01    | 3.58     | 7.95     | 0.30     | 0.04     | 4.71     | 0.12     | 63.20    | 0.15     | 0.28     | 0.92       | 100.80   |
| W934658            |                          | 13.83    | 0.57     | 5.89     | <0.01    | 7.91     | 4.78     | 2.94     | 0.16     | 4.09     | 0.66     | 54.77    | 0.27     | 0.84     | 2.87       | 100.15   |
| W934663            |                          | 17.37    | 0.20     | 1.59     | <0.01    | 3.24     | 8.08     | 0.97     | 0.07     | 4.30     | 0.12     | 60.65    | 0.16     | 0.25     | 2.23       | 99.68    |
| W934668            |                          | 3.80     | 0.01     | 2.75     | 0.26     | 8.75     | 0.05     | 26.4     | 0.09     | 0.03     | <0.01    | 34.77    | 0.01     | 0.19     | 22.51      | 99.90    |
| W934682            |                          | 11.18    | 0.20     | 5.92     | 0.08     | 7.38     | 3.03     | 7.98     | 0.15     | 3.17     | 0.36     | 50.61    | 0.06     | 0.66     | 9.06       | 100.50   |
| W934691            |                          | 5.88     | 0.02     | 10.85    | 0.28     | 8.32     | 0.50     | 15.55    | 0.18     | 0.02     | 0.01     | 37.93    | 0.03     | 0.27     | 20.27      | 100.35   |
| W934693            |                          | 16.27    | 0.23     | 4.10     | 0.01     | 4.00     | 1.93     | 2.87     | 0.08     | 7.01     | 0.23     | 54.79    | 0.05     | 0.37     | 6.29       | 101.95   |
| W934703            |                          | 14.25    | 0.32     | 3.56     | 0.01     | 4.33     | 3.43     | 2.23     | 0.08     | 3.94     | 0.28     | 59.54    | 0.04     | 0.37     | 6.52       | 101.65   |
| W934707            |                          | 14.88    | 0.25     | 2.98     | 0.01     | 4.35     | 3.15     | 2.21     | 0.09     | 4.68     | 0.27     | 64.11    | 0.09     | 0.38     | 2.38       | 101.15   |
| W934713            |                          | 15.01    | 0.26     | 3.96     | 0.01     | 4.57     | 2.79     | 2.41     | 0.09     | 5.11     | 0.29     | 60.67    | 0.09     | 0.40     | 3.74       | 101.10   |
| W934734            |                          | 16.00    | 0.30     | 3.74     | 0.01     | 5.06     | 3.17     | 3.00     | 0.09     | 4.96     | 0.32     | 60.34    | 0.16     | 0.44     | 1.60       | 99.59    |
| W934748            |                          | 15.92    | 0.30     | 3.80     | 0.01     | 4.78     | 3.09     | 2.69     | 0.09     | 5.05     | 0.30     | 61.92    | 0.18     | 0.41     | 1.37       | 100.05   |
| W934773            |                          | 15.67    | 0.27     | 3.76     | 0.01     | 4.72     | 3.17     | 2.71     | 0.08     | 4.95     | 0.30     | 60.60    | 0.11     | 0.42     | 3.34       | 100.45   |
| W934775            |                          | 14.68    | 0.25     | 4.56     | 0.01     | 4.32     | 2.91     | 2.48     | 0.09     | 4.83     | 0.28     | 57.26    | 0.08     | 0.39     | 6.02       | 100.25   |
| W934788            |                          | 11.94    | 0.10     | 7.58     | 0.04     | 6.03     | 2.37     | 5.43     | 0.16     | 3.80     | 0.34     | 49.26    | 0.03     | 0.63     | 11.36      | 99.80    |
| W934792            |                          | 14.78    | 0.25     | 3.90     | <0.01    | 4.37     | 3.17     | 2.46     | 0.09     | 4.73     | 0.28     | 58.21    | 0.06     | 0.40     | 6.47       | 101.65   |
| W934815            |                          | 15.90    | 0.27     | 3.50     | 0.01     | 4.68     | 3.23     | 2.62     | 0.09     | 4.92     | 0.28     | 61.70    | 0.12     | 0.40     | 2.41       | 100.30   |
| W934846            |                          | 15.47    | 0.20     | 3.16     | 0.01     | 3.16     | 2.46     | 2.31     | 0.07     | 5.61     | 0.18     | 61.12    | 0.07     | 0.29     | 4.66       | 99.87    |
| W934847            |                          | 5.30     | 0.05     | 13.50    | 0.20     | 7.00     | 1.10     | 12.70    | 0.22     | 0.08     | <0.01    | 35.20    | 0.06     | 0.25     | 20.95      | 99.86    |
| W934883            |                          | 14.66    | 0.21     | 3.38     | 0.01     | 3.93     | 3.81     | 2.46     | 0.07     | 4.36     | 0.23     | 59.92    | 0.06     | 0.33     | 5.15       | 99.49    |
| W934891            |                          | 5.26     | 0.02     | 5.49     | 0.26     | 8.84     | 0.10     | 20.2     | 0.13     | 0.01     | 0.02     | 35.31    | 0.02     | 0.28     | 23.08      | 99.24    |



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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20062907**

| Sample Description | Method Analyte Units LOD | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |        |
|--------------------|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
|                    |                          | Ba ppm  | Ce ppm  | Cr ppm  | Cs ppm  | Dy ppm  | Er ppm  | Eu ppm  | Ga ppm  | Gd ppm  | Ge ppm  | Hf ppm  | Ho ppm  | La ppm  | Lu ppm  | Nb ppm |
|                    |                          | 0.5     | 0.1     | 10      | 0.01    | 0.05    | 0.03    | 0.02    | 0.1     | 0.05    | 5       | 0.1     | 0.01    | 0.1     | 0.01    |        |
| W934639            |                          | 1630    | 127.5   | 20      | 0.64    | 5.22    | 2.37    | 2.50    | 25.7    | 8.10    | <5      | 13.1    | 0.92    | 71.1    | 0.27    | 10.8   |
| W934658            |                          | 5650    | 349     | 20      | 1.95    | 15.90   | 5.19    | 8.80    | 27.9    | 31.3    | <5      | 17.1    | 2.31    | 162.5   | 0.50    | 22.9   |
| W934663            |                          | 1835    | 112.0   | 20      | 1.19    | 4.13    | 1.86    | 2.02    | 27.1    | 6.48    | <5      | 12.9    | 0.70    | 63.0    | 0.27    | 9.8    |
| W934668            |                          | 29.2    | 1.0     | 1910    | 0.31    | 0.86    | 0.74    | 0.16    | 5.0     | 0.56    | <5      | 0.4     | 0.15    | 0.5     | 0.08    | 0.3    |
| W934682            |                          | 1900    | 94.3    | 560     | 5.73    | 3.47    | 1.50    | 1.84    | 17.2    | 6.12    | <5      | 3.1     | 0.57    | 46.3    | 0.18    | 5.2    |
| W934691            |                          | 95.8    | 3.2     | 1970    | 0.65    | 1.09    | 0.79    | 0.23    | 10.0    | 0.96    | <5      | 0.4     | 0.28    | 1.7     | 0.11    | 0.6    |
| W934693            |                          | 2220    | 120.5   | 50      | 0.67    | 3.02    | 1.21    | 1.84    | 23.8    | 4.48    | <5      | 4.7     | 0.45    | 61.4    | 0.18    | 6.0    |
| W934703            |                          | 3140    | 122.0   | 50      | 1.11    | 2.68    | 1.26    | 1.87    | 20.1    | 5.10    | <5      | 3.7     | 0.48    | 63.0    | 0.17    | 5.5    |
| W934707            |                          | 2290    | 116.0   | 40      | 0.84    | 2.56    | 1.16    | 1.69    | 21.0    | 5.42    | <5      | 4.0     | 0.43    | 59.6    | 0.18    | 4.8    |
| W934713            |                          | 2490    | 128.0   | 50      | 1.01    | 2.73    | 1.16    | 1.99    | 22.4    | 5.21    | <5      | 4.3     | 0.49    | 66.0    | 0.16    | 5.1    |
| W934734            |                          | 2940    | 142.0   | 50      | 0.58    | 3.05    | 1.62    | 2.20    | 22.8    | 5.93    | <5      | 4.3     | 0.62    | 73.1    | 0.18    | 5.2    |
| W934748            |                          | 2740    | 124.5   | 40      | 0.71    | 3.04    | 1.43    | 1.86    | 20.8    | 5.05    | <5      | 4.1     | 0.48    | 62.5    | 0.17    | 5.3    |
| W934773            |                          | 2570    | 135.0   | 40      | 1.02    | 2.82    | 1.37    | 1.88    | 21.1    | 5.74    | <5      | 4.4     | 0.52    | 69.1    | 0.20    | 5.6    |
| W934775            |                          | 2430    | 127.0   | 40      | 0.86    | 2.57    | 1.32    | 1.97    | 20.8    | 5.25    | <5      | 4.2     | 0.49    | 65.5    | 0.18    | 5.1    |
| W934788            |                          | 911     | 100.5   | 310     | 0.94    | 3.94    | 1.91    | 2.03    | 17.7    | 6.17    | <5      | 4.0     | 0.65    | 47.3    | 0.24    | 5.1    |
| W934792            |                          | 2450    | 131.0   | 40      | 0.81    | 2.84    | 1.22    | 1.94    | 20.3    | 5.53    | <5      | 4.0     | 0.54    | 67.3    | 0.19    | 5.7    |
| W934815            |                          | 2720    | 134.5   | 50      | 1.29    | 2.77    | 1.30    | 1.89    | 22.3    | 5.52    | <5      | 4.3     | 0.51    | 68.3    | 0.21    | 5.8    |
| W934846            |                          | 1995    | 79.9    | 70      | 0.94    | 2.48    | 1.05    | 1.27    | 18.6    | 4.17    | <5      | 4.3     | 0.41    | 41.1    | 0.16    | 5.1    |
| W934847            |                          | 428     | 15.4    | 1430    | 0.60    | 1.30    | 0.93    | 0.53    | 16.6    | 1.40    | <5      | 0.9     | 0.24    | 8.0     | 0.10    | 1.3    |
| W934883            |                          | 2070    | 94.2    | 60      | 0.75    | 2.44    | 1.27    | 1.48    | 20.0    | 4.11    | <5      | 4.2     | 0.42    | 49.1    | 0.15    | 5.3    |
| W934891            |                          | 131.5   | 2.6     | 1880    | 0.35    | 1.31    | 0.82    | 0.27    | 7.1     | 1.11    | <5      | 0.5     | 0.31    | 1.0     | 0.13    | 0.5    |



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| Sample Description | Method Analyte Units LOD | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |        |
|--------------------|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
|                    |                          | Nd ppm  | Pr ppm  | Rb ppm  | Sm ppm  | Sn ppm  | Sr ppm  | Ta ppm  | Tb ppm  | Th ppm  | Tm ppm  | U ppm   | V ppm   | W ppm   | Y ppm   | Yb ppm |
|                    |                          | 0.1     | 0.02    | 0.2     | 0.03    | 1       | 0.1     | 0.1     | 0.01    | 0.05    | 0.01    | 0.05    | 5       | 1       | 0.1     | 0.03   |
| W934639            |                          | 51.0    | 13.95   | 117.0   | 10.65   | 2       | 1305    | 0.3     | 1.03    | 26.7    | 0.33    | 6.74    | 58      | 7       | 26.1    | 2.15   |
| W934658            |                          | 188.5   | 44.3    | 90.2    | 41.4    | 5       | 2360    | 0.9     | 3.25    | 41.8    | 0.66    | 15.15   | 191     | 1       | 64.8    | 3.88   |
| W934663            |                          | 42.6    | 12.15   | 133.5   | 8.97    | 3       | 1515    | 0.2     | 0.81    | 29.5    | 0.27    | 7.08    | 72      | 5       | 22.1    | 1.97   |
| W934668            |                          | 1.0     | 0.17    | 2.1     | 0.43    | <1      | 52.8    | <0.1    | 0.09    | 0.05    | 0.07    | <0.05   | 96      | 2       | 4.3     | 0.52   |
| W934682            |                          | 45.1    | 11.50   | 106.5   | 8.07    | 2       | 562     | 0.5     | 0.64    | 7.75    | 0.20    | 4.24    | 179     | <1      | 15.8    | 1.26   |
| W934691            |                          | 2.1     | 0.46    | 21.9    | 0.65    | <1      | 200.0   | <0.1    | 0.17    | 0.16    | 0.11    | 0.44    | 155     | 5       | 6.8     | 0.71   |
| W934693            |                          | 53.1    | 14.25   | 48.3    | 8.58    | 1       | 439     | 0.2     | 0.55    | 13.65   | 0.17    | 4.68    | 103     | 8       | 13.8    | 1.24   |
| W934703            |                          | 53.3    | 14.20   | 88.7    | 8.50    | 1       | 346     | 0.2     | 0.52    | 11.55   | 0.21    | 3.29    | 95      | 9       | 13.3    | 1.05   |
| W934707            |                          | 50.4    | 13.35   | 72.1    | 8.26    | 1       | 748     | 0.2     | 0.50    | 11.65   | 0.15    | 2.44    | 106     | 2       | 12.1    | 0.94   |
| W934713            |                          | 55.4    | 14.60   | 64.1    | 9.01    | 1       | 828     | 0.2     | 0.55    | 12.25   | 0.17    | 2.82    | 101     | 3       | 13.3    | 1.12   |
| W934734            |                          | 61.5    | 16.35   | 71.6    | 10.85   | 1       | 1450    | 0.2     | 0.59    | 12.75   | 0.23    | 3.49    | 102     | <1      | 14.6    | 1.27   |
| W934748            |                          | 54.3    | 14.40   | 58.8    | 9.03    | 1       | 1550    | 0.2     | 0.58    | 11.15   | 0.18    | 2.79    | 90      | <1      | 13.6    | 1.12   |
| W934773            |                          | 57.7    | 15.80   | 69.5    | 9.76    | 1       | 904     | 0.2     | 0.63    | 12.80   | 0.20    | 4.30    | 90      | 2       | 14.0    | 1.09   |
| W934775            |                          | 56.8    | 14.95   | 71.7    | 8.94    | 1       | 667     | 0.2     | 0.56    | 11.95   | 0.18    | 4.18    | 92      | 8       | 13.5    | 1.09   |
| W934788            |                          | 53.0    | 12.95   | 80.9    | 10.40   | 1       | 279     | 0.2     | 0.75    | 7.38    | 0.28    | 2.58    | 138     | 2       | 17.8    | 1.58   |
| W934792            |                          | 57.7    | 14.85   | 75.4    | 8.67    | 1       | 470     | 0.2     | 0.57    | 11.75   | 0.18    | 3.19    | 95      | 6       | 13.7    | 1.12   |
| W934815            |                          | 56.8    | 15.85   | 79.2    | 9.41    | 1       | 1065    | 0.2     | 0.56    | 12.65   | 0.18    | 2.84    | 93      | <1      | 14.2    | 1.32   |
| W934846            |                          | 34.9    | 9.20    | 56.0    | 6.25    | 1       | 590     | 0.3     | 0.48    | 9.62    | 0.17    | 3.74    | 69      | 5       | 10.9    | 1.06   |
| W934847            |                          | 7.6     | 1.81    | 28.8    | 1.70    | 1       | 508     | <0.1    | 0.28    | 1.41    | 0.12    | 1.93    | 198     | 6       | 7.8     | 0.71   |
| W934883            |                          | 42.2    | 11.15   | 77.0    | 7.06    | 1       | 535     | 0.2     | 0.46    | 10.20   | 0.18    | 3.91    | 73      | 3       | 12.1    | 1.19   |
| W934891            |                          | 2.1     | 0.40    | 5.3     | 0.68    | <1      | 183.0   | <0.1    | 0.18    | 0.07    | 0.12    | <0.05   | 117     | 1       | 6.9     | 0.80   |



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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Plus Appendix Pages  
 Finalized Date: 27-MAR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20062907**

| Sample Description | Method Analyte Units LOD | ME-MS81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 |
|--------------------|--------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|---------|---------|
|                    |                          | Zr      | Ag        | Cd        | Co        | Cu        | Li        | Mo        | Ni        | Pb        | Sc        | Zn        | As      | Bi      | Hg      | In      |
|                    |                          | ppm     | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm     | ppm     | ppm     | ppm     |
|                    |                          | 2       | 0.5       | 0.5       | 1         | 1         | 10        | 1         | 1         | 2         | 1         | 2         | 0.1     | 0.01    | 0.005   | 0.005   |
| W934639            |                          | 526     | <0.5      | <0.5      | 4         | 46        | <10       | <1        | 4         | 26        | 2         | 17        | 0.4     | 0.31    | <0.005  | 0.015   |
| W934658            |                          | 712     | <0.5      | <0.5      | 21        | 38        | 10        | <1        | 16        | 67        | 13        | 130       | 1.0     | 0.33    | <0.005  | 0.041   |
| W934663            |                          | 553     | <0.5      | <0.5      | 6         | 47        | <10       | <1        | 7         | 42        | 3         | 24        | 0.3     | 0.36    | <0.005  | 0.028   |
| W934668            |                          | 13      | <0.5      | 0.7       | 92        | 23        | 20        | <1        | 1900      | <2        | 15        | 48        | 0.1     | 0.09    | <0.005  | 0.013   |
| W934682            |                          | 122     | <0.5      | 0.7       | 32        | 13        | 30        | <1        | 138       | 16        | 20        | 117       | 0.3     | 0.22    | <0.005  | 0.047   |
| W934691            |                          | 15      | <0.5      | 1.2       | 69        | 18        | 20        | 1         | 894       | 7         | 19        | 87        | 0.3     | 0.17    | <0.005  | 0.033   |
| W934693            |                          | 169     | <0.5      | <0.5      | 18        | 106       | 10        | <1        | 43        | 11        | 8         | 41        | 0.3     | 0.53    | <0.005  | 0.015   |
| W934703            |                          | 145     | 2.1       | 0.5       | 13        | 60        | 10        | 136       | 17        | 148       | 8         | 64        | 0.5     | 4.87    | <0.005  | 0.018   |
| W934707            |                          | 151     | 0.7       | <0.5      | 12        | 33        | 10        | 1         | 17        | 39        | 9         | 67        | 0.4     | 0.39    | <0.005  | 0.012   |
| W934713            |                          | 162     | 1.0       | <0.5      | 15        | 69        | 10        | <1        | 18        | 78        | 9         | 75        | 0.5     | 2.06    | <0.005  | 0.017   |
| W934734            |                          | 173     | <0.5      | <0.5      | 15        | 52        | 10        | <1        | 20        | 22        | 10        | 82        | 0.4     | 0.08    | <0.005  | 0.011   |
| W934748            |                          | 167     | <0.5      | <0.5      | 12        | 16        | 10        | 1         | 18        | 31        | 10        | 78        | 0.4     | 0.21    | <0.005  | 0.007   |
| W934773            |                          | 169     | <0.5      | <0.5      | 14        | 26        | 10        | <1        | 18        | 40        | 9         | 83        | 0.4     | 0.07    | <0.005  | 0.020   |
| W934775            |                          | 156     | <0.5      | <0.5      | 13        | 117       | 10        | 1         | 16        | 27        | 8         | 66        | 0.3     | 0.26    | <0.005  | 0.019   |
| W934788            |                          | 151     | <0.5      | 0.8       | 24        | 120       | 20        | <1        | 72        | 8         | 18        | 67        | 0.3     | 0.34    | <0.005  | 0.027   |
| W934792            |                          | 158     | 2.9       | <0.5      | 15        | 43        | 10        | <1        | 16        | 24        | 9         | 53        | 0.3     | 1.19    | <0.005  | 0.016   |
| W934815            |                          | 162     | <0.5      | <0.5      | 14        | 11        | 10        | <1        | 17        | 31        | 9         | 74        | 1.5     | 0.05    | <0.005  | 0.013   |
| W934846            |                          | 158     | <0.5      | <0.5      | 10        | 64        | 10        | 1         | 36        | 13        | 6         | 44        | 0.4     | 0.11    | <0.005  | 0.013   |
| W934847            |                          | 32      | 2.4       | 1.0       | 56        | 8         | 20        | <1        | 734       | 10        | 16        | 171       | 0.5     | 0.84    | <0.005  | 0.043   |
| W934883            |                          | 161     | <0.5      | <0.5      | 12        | 20        | 10        | 52        | 30        | 17        | 8         | 48        | 0.4     | 0.28    | <0.005  | 0.013   |
| W934891            |                          | 17      | <0.5      | 0.8       | 79        | 27        | 20        | <1        | 1240      | 2         | 18        | 57        | <0.1    | 0.14    | <0.005  | 0.023   |



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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20062907**

| Sample Description | Method Analyte Units LOD | ME-MS42         | ME-MS42        | ME-MS42       | ME-MS42       | ME-MS42        | ME-MS42        | S-IR08      | C-IR07      |
|--------------------|--------------------------|-----------------|----------------|---------------|---------------|----------------|----------------|-------------|-------------|
|                    |                          | Re ppm<br>0.001 | Sb ppm<br>0.05 | Sc ppm<br>0.1 | Se ppm<br>0.2 | Te ppm<br>0.01 | Tl ppm<br>0.02 | S %<br>0.01 | C %<br>0.01 |
| W934639            |                          | <0.001          | <0.05          | 1.4           | 0.4           | 0.04           | 0.04           | 0.47        | 0.11        |
| W934658            |                          | 0.001           | <0.05          | 3.8           | <0.2          | 0.02           | 0.27           | 0.14        | 0.63        |
| W934663            |                          | <0.001          | <0.05          | 2.4           | <0.2          | 0.02           | 0.05           | 0.13        | 0.58        |
| W934668            |                          | <0.001          | <0.05          | 14.8          | <0.2          | 0.04           | 0.02           | <0.01       | 5.37        |
| W934682            |                          | <0.001          | 0.06           | 18.3          | <0.2          | 0.01           | 0.72           | 0.20        | 2.17        |
| W934691            |                          | 0.001           | <0.05          | 19.7          | <0.2          | 0.06           | 0.11           | 0.02        | 4.79        |
| W934693            |                          | 0.001           | 0.05           | 5.3           | 0.7           | 0.12           | 0.03           | 1.37        | 1.58        |
| W934703            |                          | 0.007           | <0.05          | 5.3           | 0.8           | 0.30           | 0.07           | 1.00        | 1.36        |
| W934707            |                          | <0.001          | <0.05          | 3.4           | 0.2           | 1.52           | 0.07           | 0.46        | 0.41        |
| W934713            |                          | 0.001           | <0.05          | 4.9           | 0.4           | 0.84           | 0.12           | 0.61        | 0.65        |
| W934734            |                          | <0.001          | <0.05          | 2.1           | 0.3           | 0.01           | 0.06           | 0.13        | 0.17        |
| W934748            |                          | <0.001          | <0.05          | 2.2           | <0.2          | 0.01           | 0.04           | 0.01        | 0.17        |
| W934773            |                          | <0.001          | <0.05          | 6.6           | <0.2          | 0.03           | 0.13           | 0.09        | 0.59        |
| W934775            |                          | 0.001           | <0.05          | 5.0           | 0.4           | 0.10           | 0.05           | 0.74        | 1.53        |
| W934788            |                          | <0.001          | 0.06           | 10.8          | <0.2          | 0.02           | 0.07           | 0.22        | 3.03        |
| W934792            |                          | <0.001          | <0.05          | 5.3           | 0.4           | 1.23           | 0.04           | 0.87        | 1.45        |
| W934815            |                          | <0.001          | <0.05          | 4.7           | <0.2          | 0.01           | 0.20           | 0.03        | 0.37        |
| W934846            |                          | <0.001          | <0.05          | 4.0           | 0.2           | 0.07           | 0.04           | 0.39        | 1.16        |
| W934847            |                          | <0.001          | <0.05          | 15.9          | 0.7           | 15.25          | 0.03           | 1.10        | 5.77        |
| W934883            |                          | 0.005           | 0.05           | 4.4           | 0.3           | 0.03           | 0.05           | 0.29        | 1.25        |
| W934891            |                          | <0.001          | <0.05          | 19.8          | 0.2           | 0.02           | 0.04           | <0.01       | 5.63        |



ALS Canada Ltd.  
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North Vancouver BC V7H 0A7  
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Account: **GOLHIGH**

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20062907**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

|                    |                                                                                        |          |           |         |
|--------------------|----------------------------------------------------------------------------------------|----------|-----------|---------|
| Applies to Method: | Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. |          |           |         |
|                    | C-IR07                                                                                 | FND-02   | ME-4ACD81 | ME-MS42 |
|                    | ME-MS81                                                                                | ME-XRF26 | OA-GRA05x | S-IR08  |





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 North Vancouver BC V7H 0A7  
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**QC CERTIFICATE TM20062907**

Project: Golden Perimeter

This report is for 21 Drill Core samples submitted to our lab in Timmins, ON, Canada on 17-MAR-2020.

The following have access to data associated with this certificate:

|                |              |              |
|----------------|--------------|--------------|
| IAN DUNLOP     | DARWIN GREEN | NEAL MAGUIRE |
| CONOR MCKINLEY |              |              |

| SAMPLE PREPARATION |                               |
|--------------------|-------------------------------|
| ALS CODE           | DESCRIPTION                   |
| FND-02             | Find Sample for Addn Analysis |

| ANALYTICAL PROCEDURES |                                 |            |
|-----------------------|---------------------------------|------------|
| ALS CODE              | DESCRIPTION                     | INSTRUMENT |
| ME-XRF26              | Whole Rock By Fusion/XRF        | XRF        |
| OA-GRA05x             | LOI for XRF                     | WST-SEQ    |
| ME-MS42               | Up to 34 elements by ICP-MS     | ICP-MS     |
| S-IR08                | Total Sulphur (IR Spectroscopy) | LECO       |
| C-IR07                | Total Carbon (IR Spectroscopy)  | LECO       |
| ME-MS81               | Lithium Borate Fusion ICP-MS    | ICP-MS     |
| ME-4ACD81             | Base Metals by 4-acid dig.      | ICP-AES    |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:   
 Saa Traxler, General Manager, North Vancouver



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20062907**

| Sample Description         | Method Analyte Units LOD | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26   | ME-XRF26 |
|----------------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------------|----------|
|                            |                          | Al2O3 %  | BaO %    | CaO %    | Cr2O3 %  | Fe2O3 %  | K2O %    | MgO %    | MnO %    | Na2O %   | P2O5 %   | SiO2 %   | SrO %    | TiO2 %   | LOI 1000 % | Total %  |
| <b>STANDARDS</b>           |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| AMIS0304                   |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| AMIS0343                   |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| AMIS0461                   |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            | 38.52    |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            | 36.66    |
|                            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            | 40.54    |
| DS-1                       |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| EMOG-17                    |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| GS313-8                    |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| MRGeo08                    |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| MRGeo08                    |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| OREAS 146                  |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| OREAS 218                  |                          | 13.45    | 0.02     | 9.92     | 0.03     | 12.09    | 0.23     | 7.19     | 0.19     | 2.99     | 0.09     | 48.76    | 0.01     | 1.10     |            | 96.62    |
| Target Range - Lower Bound |                          | 13.04    | <0.01    | 9.73     | <0.01    | 11.63    | 0.20     | 6.81     | 0.16     | 2.75     | 0.07     | 48.02    | <0.01    | 1.04     |            | <0.01    |
| Upper Bound                |                          | 13.96    | 0.04     | 10.45    | 0.05     | 12.47    | 0.26     | 7.39     | 0.22     | 3.05     | 0.13     | 50.38    | 0.03     | 1.20     |            | 0.02     |
| OREAS 220                  |                          | 13.70    | 0.03     | 9.59     | 0.04     | 11.47    | 0.46     | 7.19     | 0.17     | 2.78     | 0.17     | 50.19    | 0.03     | 1.28     |            | 97.63    |
| Target Range - Lower Bound |                          | 13.12    | <0.01    | 9.28     | 0.02     | 11.00    | 0.42     | 6.92     | 0.14     | 2.60     | 0.15     | 49.10    | <0.01    | 1.19     |            | <0.01    |
| Upper Bound                |                          | 14.04    | 0.05     | 10.00    | 0.06     | 11.80    | 0.51     | 7.50     | 0.20     | 2.90     | 0.21     | 51.50    | 0.05     | 1.37     |            | 0.02     |
| OREAS 501b                 |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |
| OREAS 602                  |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |          |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20062907**

| Sample Description         | Method<br>Analyte<br>Units<br>LOD | ME-MS81<br>Ba<br>ppm<br>0.5 | ME-MS81<br>Ce<br>ppm<br>0.1 | ME-MS81<br>Cr<br>ppm<br>10 | ME-MS81<br>Cs<br>ppm<br>0.01 | ME-MS81<br>Dy<br>ppm<br>0.05 | ME-MS81<br>Er<br>ppm<br>0.03 | ME-MS81<br>Eu<br>ppm<br>0.02 | ME-MS81<br>Ga<br>ppm<br>0.1 | ME-MS81<br>Gd<br>ppm<br>0.05 | ME-MS81<br>Ge<br>ppm<br>5 | ME-MS81<br>Hf<br>ppm<br>0.1 | ME-MS81<br>Ho<br>ppm<br>0.01 | ME-MS81<br>La<br>ppm<br>0.1 | ME-MS81<br>Lu<br>ppm<br>0.01 | ME-MS81<br>Nb<br>ppm<br>0.1 |
|----------------------------|-----------------------------------|-----------------------------|-----------------------------|----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|------------------------------|---------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|-----------------------------|
| <b>STANDARDS</b>           |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| AMIS0304                   |                                   | 2780                        | 8850                        | 100                        | 0.44                         | 144.0                        | 36.3                         | 149.0                        | 40.1                        | 352                          | 6                         | 29.4                        | 18.30                        | 3620                        | 2.09                         | >2500                       |
| Target Range - Lower Bound |                                   | 2340                        | 7280                        | 70                         | 0.35                         | 119.0                        | 30.6                         | 135.0                        | 47.8                        | 309                          | <5                        | 25.1                        | 16.20                        | 3250                        | 1.84                         | 4670                        |
| Upper Bound                |                                   | 2860                        | 8900                        | 120                        | 0.45                         | 145.5                        | 37.4                         | 165.0                        | 58.7                        | 377                          | 18                        | 30.9                        | 19.80                        | 3970                        | 2.27                         | >2500                       |
| AMIS0343                   |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| AMIS0461                   |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| DS-1                       |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| EMOG-17                    |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| GS313-8                    |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| MRGeo08                    |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| MRGeo08                    |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| OREAS 146                  |                                   | >10000                      | 4670                        | 180                        | 0.48                         | 224                          | 87.6                         | 123.0                        | 23.3                        | 354                          | <5                        | 3.8                         | 36.4                         | 2470                        | 5.91                         | 354                         |
| Target Range - Lower Bound |                                   | 11450                       | 4220                        | 160                        | 0.47                         | 202                          | 78.3                         | 114.5                        | 26.2                        | 323                          | <5                        | 3.7                         | 33.1                         | 2260                        | 5.66                         | 349                         |
| Upper Bound                |                                   | >10000                      | 5160                        | 220                        | 0.59                         | 246                          | 95.7                         | 139.5                        | 32.2                        | 395                          | 15                        | 4.7                         | 40.5                         | 2760                        | 6.94                         | 427                         |
| OREAS 218                  |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| OREAS 220                  |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| OREAS 501b                 |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| OREAS 602                  |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20062907**

| Sample Description         | Method Analyte Units LOD | ME-MS81<br>Nd<br>ppm<br>0.1 | ME-MS81<br>Pr<br>ppm<br>0.02 | ME-MS81<br>Rb<br>ppm<br>0.2 | ME-MS81<br>Sm<br>ppm<br>0.03 | ME-MS81<br>Sn<br>ppm<br>1 | ME-MS81<br>Sr<br>ppm<br>0.1 | ME-MS81<br>Ta<br>ppm<br>0.1 | ME-MS81<br>Tb<br>ppm<br>0.01 | ME-MS81<br>Th<br>ppm<br>0.05 | ME-MS81<br>Tm<br>ppm<br>0.01 | ME-MS81<br>U<br>ppm<br>0.05 | ME-MS81<br>V<br>ppm<br>5 | ME-MS81<br>W<br>ppm<br>1 | ME-MS81<br>Y<br>ppm<br>0.1 | ME-MS81<br>Yb<br>ppm<br>0.03 |
|----------------------------|--------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|---------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|--------------------------|--------------------------|----------------------------|------------------------------|
| <b>STANDARDS</b>           |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| AMIS0304                   |                          | 4360                        | >1000                        | 11.4                        | 638                          | 25                        | 3560                        | 13.1                        | 34.7                         | 449                          | 3.53                         | 24.5                        | 373                      | 5                        | 408                        | 17.50                        |
| Target Range - Lower Bound |                          | 3610                        | 925                          | 9.3                         | 543                          | 22                        | 3060                        | 11.1                        | 30.8                         | 406                          | 3.14                         | 21.6                        | 331                      | 3                        | 369                        | 15.25                        |
| Upper Bound                |                          | 4410                        | >1000                        | 11.8                        | 664                          | 29                        | 3740                        | 13.8                        | 37.7                         | 496                          | 3.86                         | 26.5                        | 415                      | 7                        | 451                        | 18.75                        |
| AMIS0343                   |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| AMIS0461                   |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| DS-1                       |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| EMOG-17                    |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| GS313-8                    |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| MRGeo08                    |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| MRGeo08                    |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| OREAS 146                  |                          | 2210                        | 559                          | 24.5                        | 469                          | 42                        | 2970                        | 3.9                         | 44.7                         | 893                          | 9.45                         | 2.46                        | 150                      | 27                       | 886                        | 52.0                         |
| Target Range - Lower Bound |                          | 1965                        | 493                          | 23.7                        | 397                          | 40                        | 2790                        | 3.6                         | 42.5                         | 813                          | 8.90                         | 2.37                        | 140                      | 25                       | 814                        | 48.1                         |
| Upper Bound                |                          | 2400                        | 603                          | 29.5                        | 485                          | 52                        | 3410                        | 4.6                         | 51.9                         | 993                          | 10.90                        | 3.01                        | 182                      | 33                       | 996                        | 58.9                         |
| OREAS 218                  |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| OREAS 220                  |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| OREAS 501b                 |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| OREAS 602                  |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20062907**

| Sample Description         | Method | Analyte | Units | LOD | ME-MS81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 |
|----------------------------|--------|---------|-------|-----|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|---------|---------|
|                            |        |         |       |     | Zr      | Ag        | Cd        | Co        | Cu        | Li        | Mo        | Ni        | Pb        | Sc        | Zn        | As      | Bi      | Hg      | In      |
|                            |        |         |       |     | ppm     | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm     | ppm     | ppm     | ppm     |
|                            |        |         |       |     | 2       | 0.5       | 0.5       | 1         | 1         | 10        | 1         | 1         | 2         | 1         | 2         | 0.1     | 0.01    | 0.005   | 0.005   |
| <b>STANDARDS</b>           |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| AMIS0304                   |        |         |       |     | 1225    |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |        |         |       |     | 1005    |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |        |         |       |     | 1230    |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| AMIS0343                   |        |         |       |     | <0.5    | <0.5      | 1         | 55        | 7280      | 4         | 13        | 5         | <1        | 85        |           |         |         |         |         |
| Target Range - Lower Bound |        |         |       |     | <0.5    | <0.5      | <1        | 47        | 6300      | <1        | 11        | <2        | <1        | 70        |           |         |         |         |         |
| Upper Bound                |        |         |       |     | 1.1     | 1.0       | 5         | 56        | 7730      | 6         | 17        | 10        | 2         | 90        |           |         |         |         |         |
| AMIS0461                   |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| DS-1                       |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| EMOG-17                    |        |         |       |     | 70.6    | 21.2      | 785       | 8670      | 30        | 1130      | 8330      | 7850      | 8         | 7880      |           |         |         |         |         |
| Target Range - Lower Bound |        |         |       |     | 60.4    | 17.7      | 685       | 7740      | <10       | 996       | 6820      | 6570      | 6         | 6800      |           |         |         |         |         |
| Upper Bound                |        |         |       |     | 75.0    | 22.7      | 839       | 8910      | 50        | 1220      | 8330      | 8030      | 10        | 8320      |           |         |         |         |         |
| GS313-8                    |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| MGeo08                     |        |         |       |     | 4.6     | 2.7       | 23        | 629       | 40        | 15        | 758       | 1170      | 11        | 847       |           |         |         |         |         |
| Target Range - Lower Bound |        |         |       |     | 3.2     | 1.1       | 17        | 586       | <10       | 12        | 621       | 969       | 10        | 722       |           |         |         |         |         |
| Upper Bound                |        |         |       |     | 5.6     | 3.4       | 23        | 676       | 50        | 18        | 761       | 1190      | 15        | 886       |           |         |         |         |         |
| MGeo08                     |        |         |       |     |         |           |           |           |           |           |           |           |           |           | 35.2      | 0.63    | 0.056   | 0.158   |         |
| Target Range - Lower Bound |        |         |       |     |         |           |           |           |           |           |           |           |           |           | 29.6      | 0.58    | 0.045   | 0.137   |         |
| Upper Bound                |        |         |       |     |         |           |           |           |           |           |           |           |           |           | 36.4      | 0.73    | 0.077   | 0.179   |         |
| OREAS 146                  |        |         |       |     | 209     |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |        |         |       |     | 204     |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |        |         |       |     | 254     |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| OREAS 218                  |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| OREAS 220                  |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| OREAS 501b                 |        |         |       |     |         |           |           |           |           |           |           |           |           |           | 20.9      | 1.44    | 0.018   | 0.185   |         |
| Target Range - Lower Bound |        |         |       |     |         |           |           |           |           |           |           |           |           |           | 16.9      | 1.43    | 0.006   |         |         |
| Upper Bound                |        |         |       |     |         |           |           |           |           |           |           |           |           |           | 20.9      | 1.77    | 0.030   |         |         |
| OREAS 602                  |        |         |       |     | >100    | 25.0      | 9         | 4990      | 20        | 5         | 61        | 1040      | 4         | 4170      |           |         |         |         |         |

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ALS Canada Ltd.  
 21 03 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20062907**

| Sample Description         | Method Analyte Units LOD | ME-MS42 Re ppm | ME-MS42 Sb ppm | ME-MS42 Sc ppm | ME-MS42 Se ppm | ME-MS42 Te ppm | ME-MS42 Tl ppm | S-IR08 S % | C-IR07 C % |
|----------------------------|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|------------|------------|
| <b>STANDARDS</b>           |                          |                |                |                |                |                |                |            |            |
| AMIS0304                   |                          |                |                |                |                |                |                |            |            |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |            |            |
| Upper Bound                |                          |                |                |                |                |                |                |            |            |
| AMIS0343                   |                          |                |                |                |                |                |                |            |            |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |            |            |
| Upper Bound                |                          |                |                |                |                |                |                |            |            |
| AMIS0461                   |                          |                |                |                |                |                |                |            |            |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |            |            |
| Upper Bound                |                          |                |                |                |                |                |                |            |            |
| DS-1                       |                          |                |                |                |                |                | 2.54           | 3.11       |            |
| Target Range - Lower Bound |                          |                |                |                |                |                | 2.51           | 3.01       |            |
| Upper Bound                |                          |                |                |                |                |                | 2.71           | 3.25       |            |
| EMOG-17                    |                          |                |                |                |                |                |                |            |            |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |            |            |
| Upper Bound                |                          |                |                |                |                |                |                |            |            |
| GS313-8                    |                          |                |                |                |                |                | 1.25           | 0.94       |            |
| Target Range - Lower Bound |                          |                |                |                |                |                | 1.19           | 0.90       |            |
| Upper Bound                |                          |                |                |                |                |                | 1.29           | 0.98       |            |
| MGeo08                     |                          |                |                |                |                |                |                |            |            |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |            |            |
| Upper Bound                |                          |                |                |                |                |                |                |            |            |
| MGeo08                     |                          | 0.009          | 3.38           | 7.4            | 0.7            | 0.02           | 0.79           |            |            |
| Target Range - Lower Bound |                          | 0.006          | 2.80           | 6.7            | 0.6            | <0.01          | 0.64           |            |            |
| Upper Bound                |                          | 0.010          | 3.90           | 8.4            | 1.5            | 0.04           | 0.92           |            |            |
| OREAS 146                  |                          |                |                |                |                |                |                |            |            |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |            |            |
| Upper Bound                |                          |                |                |                |                |                |                |            |            |
| OREAS 218                  |                          |                |                |                |                |                |                |            |            |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |            |            |
| Upper Bound                |                          |                |                |                |                |                |                |            |            |
| OREAS 220                  |                          |                |                |                |                |                |                |            |            |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |            |            |
| Upper Bound                |                          |                |                |                |                |                |                |            |            |
| OREAS 501b                 |                          | 0.003          | 0.48           | 6.9            | 2.7            | 0.08           | 0.69           |            |            |
| Target Range - Lower Bound |                          |                | 0.34           | 6.3            | 2.2            | 0.05           | 0.57           |            |            |
| Upper Bound                |                          |                | 0.64           | 7.9            | 3.3            | 0.10           | 0.81           |            |            |
| OREAS 602                  |                          |                |                |                |                |                |                |            |            |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Total # Pages: 4 (A - E)  
 Plus Appendix Pages  
 Finalized Date: 27-MAR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20062907**

| Sample Description         | Method Analyte Units LOD | ME-XRF26 Al2O3 % | ME-XRF26 BaO % | ME-XRF26 CaO % | ME-XRF26 Cr2O3 % | ME-XRF26 Fe2O3 % | ME-XRF26 K2O % | ME-XRF26 MgO % | ME-XRF26 MnO % | ME-XRF26 Na2O % | ME-XRF26 P2O5 % | ME-XRF26 SiO2 % | ME-XRF26 SrO % | ME-XRF26 TiO2 % | OA-GRA05x LOI 1000 % | ME-XRF26 Total % |
|----------------------------|--------------------------|------------------|----------------|----------------|------------------|------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------------|------------------|
| <b>STANDARDS</b>           |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS-101b                 |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| SCH-1                      |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 2.75                 |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 2.58                 |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 2.88                 |                  |
| SY-4                       |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| <b>BLANKS</b>              |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
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| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
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| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
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| BLANK                      |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                          | <0.01            | <0.01          | <0.01          | <0.01            | <0.01            | <0.01          | 0.01           | <0.01          | <0.01           | <0.01           | 99.68           | <0.01          | <0.01           |                      | 99.69            |
| Target Range - Lower Bound |                          | <0.01            | <0.01          | <0.01          | <0.01            | <0.01            | <0.01          | <0.01          | <0.01          | <0.01           | <0.01           | <0.01           | <0.01          | <0.01           |                      | <0.01            |
| Upper Bound                |                          | 0.02             | 0.02           | 0.02           | 0.02             | 0.02             | 0.02           | 0.02           | 0.02           | 0.02            | 0.02            | 0.02            | 0.02           | 0.02            |                      | 0.02             |
| BLANK                      |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 0.01                 |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | <0.01                |                  |
| BLANK                      |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
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 Finalized Date: 27-MAR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20062907**

| Sample Description         | Method Analyte Units LOD | ME-MS81 Ba ppm | ME-MS81 Ce ppm | ME-MS81 Cr ppm | ME-MS81 Cs ppm | ME-MS81 Dy ppm | ME-MS81 Er ppm | ME-MS81 Eu ppm | ME-MS81 Ga ppm | ME-MS81 Gd ppm | ME-MS81 Ge ppm | ME-MS81 Hf ppm | ME-MS81 Ho ppm | ME-MS81 La ppm | ME-MS81 Lu ppm | ME-MS81 Nb ppm |
|----------------------------|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| <b>STANDARDS</b>           |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Upper Bound |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| OREAS-101b                 |                          | 188.5          | 1385           | 40             | 2.24           | 33.0           | 20.0           | 8.01           | 28.5           | 36.2           | <5             | 11.5           | 6.71           | 809            | 2.69           | 60.7           |
| Target Range - Lower Bound |                          |                | 1200           |                |                | 28.8           | 16.80          | 6.97           |                | 32.4           |                |                | 5.70           | 710            | 2.31           |                |
| Target Range - Upper Bound |                          |                | 1465           |                |                | 35.4           | 20.6           | 8.57           |                | 39.7           |                |                | 6.98           | 868            | 2.85           |                |
| SCH-1                      |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Upper Bound |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| SY-4                       |                          | 341            | 120.0          | 10             | 1.57           | 19.20          | 15.55          | 1.85           | 35.1           | 15.25          | <5             | 11.7           | 4.50           | 56.4           | 2.18           | 12.1           |
| Target Range - Lower Bound |                          | 306            | 109.5          | <10            | 1.34           | 16.35          | 12.75          | 1.78           | 33.1           | 12.55          | <5             | 9.9            | 3.86           | 52.1           | 1.88           | 11.6           |
| Target Range - Upper Bound |                          | 375            | 134.5          | 30             | 1.66           | 20.1           | 15.65          | 2.22           | 40.7           | 15.45          | 12             | 12.3           | 4.74           | 63.9           | 2.32           | 14.4           |
| <b>BLANKS</b>              |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
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| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Upper Bound |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
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| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Upper Bound |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      |                          | 9.1            | 0.1            | <10            | 0.01           | <0.05          | <0.03          | <0.02          | 0.1            | <0.05          | <5             | <0.1           | <0.01          | <0.1           | <0.01          | <0.1           |
| BLANK                      |                          | 1.8            | <0.1           | <10            | 0.01           | <0.05          | <0.03          | 0.02           | <0.1           | 0.06           | <5             | <0.1           | 0.01           | <0.1           | 0.02           | <0.1           |
| Target Range - Lower Bound |                          | <0.5           | <0.1           | <10            | <0.01          | <0.05          | <0.03          | <0.02          | <0.1           | <0.05          |                | <0.1           | <0.01          | <0.1           | <0.01          | <0.1           |
| Target Range - Upper Bound |                          | 1.0            | 0.2            | 20             | 0.02           | 0.10           | 0.06           | 0.04           | 0.2            | 0.10           |                | 0.2            | 0.02           | 0.2            | 0.02           | 0.2            |
| BLANK                      |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Upper Bound |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
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| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Upper Bound |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
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| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Upper Bound |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Total # Pages: 4 (A - E)  
 Plus Appendix Pages  
 Finalized Date: 27-MAR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20062907**

| Sample Description         | Method Analyte Units LOD | ME-MS81 Nd ppm | ME-MS81 Pr ppm | ME-MS81 Rb ppm | ME-MS81 Sm ppm | ME-MS81 Sn ppm | ME-MS81 Sr ppm | ME-MS81 Ta ppm | ME-MS81 Tb ppm | ME-MS81 Th ppm | ME-MS81 Tm ppm | ME-MS81 U ppm | ME-MS81 V ppm | ME-MS81 W ppm | ME-MS81 Y ppm | ME-MS81 Yb ppm |
|----------------------------|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|
| <b>STANDARDS</b>           |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Target Range - Upper Bound |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| OREAS-101b                 |                          | 393            | 127.5          | 186.0          | 50.5           | 9              | 22.6           | 2.7            | 5.42           | 37.0           | 2.83           | 396           | 85            | 21            | 175.5         | 18.00          |
| Target Range - Lower Bound |                          | 340            | 114.5          |                | 43.2           |                |                |                | 4.82           | 32.7           | 2.38           | 348           | 66            |               | 160.0         |                |
| Target Range - Upper Bound |                          | 416            | 139.5          |                | 52.8           |                |                |                | 5.92           | 40.1           | 2.94           | 426           | 94            |               | 196.0         |                |
| SCH-1                      |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Target Range - Upper Bound |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| SY-4                       |                          | 60.5           | 14.80          | 49.8           | 13.65          | 8              | 1185           | 0.6            | 2.82           | 1.32           | 2.41           | 0.86          | 19            | <1            | 114.0         | 15.95          |
| Target Range - Lower Bound |                          | 51.2           | 13.50          | 49.3           | 11.40          | 6              | 1070           | 0.7            | 2.33           | 1.11           | 2.06           | 0.66          | <5            | <1            | 107.0         | 13.30          |
| Target Range - Upper Bound |                          | 62.8           | 16.50          | 60.7           | 14.00          | 10             | 1310           | 1.1            | 2.87           | 1.47           | 2.54           | 0.94          | 18            | 3             | 131.0         | 16.30          |
| <b>BLANKS</b>              |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
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| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Target Range - Upper Bound |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
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| Target Range - Lower Bound |                          | <0.1           | <0.02          | <0.2           | <0.03          | <1             | 0.2            | <0.1           | <0.01          | <0.05          | <0.01          | <0.05         | 6             | <1            | <0.1          | <0.03          |
| Target Range - Upper Bound |                          | <0.1           | 0.02           | <0.2           | <0.03          | <1             | <0.1           | <0.1           | 0.01           | <0.05          | 0.01           | <0.05         | <5            | <1            | <0.1          | <0.03          |
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| Target Range - Lower Bound |                          | <0.1           | <0.02          | <0.2           | <0.03          | <1             | <0.1           | <0.1           | <0.01          | <0.05          | <0.01          | <0.05         | <5            | <1            | <0.1          | <0.03          |
| Target Range - Upper Bound |                          | 0.2            | 0.04           | 0.4            | 0.06           | 2              | 0.2            | 0.2            | 0.02           | 0.10           | 0.02           | 0.10          | 10            | 2             | 0.2           | 0.06           |
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| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Target Range - Upper Bound |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
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| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Target Range - Upper Bound |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 Finalized Date: 27-MAR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20062907**

| Sample Description         | Method Analyte Units LOD | ME-MS81<br>Zr<br>ppm<br>2 | ME-4ACD81<br>Ag<br>ppm<br>0.5 | ME-4ACD81<br>Cd<br>ppm<br>0.5 | ME-4ACD81<br>Co<br>ppm<br>1 | ME-4ACD81<br>Cu<br>ppm<br>1 | ME-4ACD81<br>Li<br>ppm<br>10 | ME-4ACD81<br>Mo<br>ppm<br>1 | ME-4ACD81<br>Ni<br>ppm<br>1 | ME-4ACD81<br>Pb<br>ppm<br>2 | ME-4ACD81<br>Sc<br>ppm<br>1 | ME-4ACD81<br>Zn<br>ppm<br>2 | ME-MS42<br>As<br>ppm<br>0.1 | ME-MS42<br>Bi<br>ppm<br>0.01 | ME-MS42<br>Hg<br>ppm<br>0.005 | ME-MS42<br>In<br>ppm<br>0.005 |
|----------------------------|--------------------------|---------------------------|-------------------------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|
| <b>STANDARDS</b>           |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          | 107.5                     | 21.7                          | 7                             | 4790                        | <10                         | 2                            | 53                          | 918                         | 2                           | 3770                        |                             |                             |                              |                               |                               |
| Upper Bound                |                          | 100.0                     | 27.7                          | 12                            | 5510                        | 40                          | 7                            | 67                          | 1125                        | 6                           | 4610                        |                             |                             |                              |                               |                               |
| OREAS-101b                 | 451                      |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| SCH-1                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| SY-4                       | 565                      |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound | 543                      |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                | 668                      |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| <b>BLANKS</b>              |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| BLANK                      |                          | <0.5                      | <0.5                          | <1                            | <1                          | <10                         | <1                           | <1                          | <2                          | <1                          | <2                          |                             |                             |                              |                               |                               |
| BLANK                      |                          | <0.5                      | <0.5                          | 1                             | 1                           | <10                         | <1                           | 1                           | <2                          | <1                          | <2                          |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          | <0.5                      | <0.5                          | <1                            | <1                          |                             | <1                           | <1                          | <2                          |                             | <2                          |                             |                             |                              |                               |                               |
| Upper Bound                |                          | 1.0                       | 1.0                           | 2                             | 2                           |                             | 2                            | 2                           | 4                           |                             | 4                           |                             |                             |                              |                               |                               |
| BLANK                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 0.1                         | <0.01                        | <0.005                        | <0.005                        |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | <0.1                        | <0.01                        | <0.005                        | <0.005                        |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 0.2                         | 0.02                         | 0.010                         | 0.010                         |
| BLANK                      | <2                       |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| BLANK                      | <2                       |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound | <2                       |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                | 4                        |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| BLANK                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| BLANK                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| BLANK                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20062907**

| Sample Description         | Method Analyte Units LOD | ME-MS42 Re ppm 0.001 | ME-MS42 Sb ppm 0.05 | ME-MS42 Sc ppm 0.1 | ME-MS42 Se ppm 0.2 | ME-MS42 Te ppm 0.01 | ME-MS42 Tl ppm 0.02 | S-IR08 S % 0.01 | C-IR07 C % 0.01 |
|----------------------------|--------------------------|----------------------|---------------------|--------------------|--------------------|---------------------|---------------------|-----------------|-----------------|
| <b>STANDARDS</b>           |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| Target Range - Lower Bound |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| Target Range - Upper Bound |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| OREAS-101b                 |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| Target Range - Lower Bound |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| Target Range - Upper Bound |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| SCH-1                      |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| Target Range - Lower Bound |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| Target Range - Upper Bound |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| SY-4                       |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| Target Range - Lower Bound |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| Target Range - Upper Bound |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| <b>BLANKS</b>              |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| BLANK                      |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| BLANK                      |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| Target Range - Lower Bound |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| Target Range - Upper Bound |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| BLANK                      |                          | <0.001               | <0.05               | <0.1               | <0.2               | <0.01               | <0.02               |                 |                 |
| Target Range - Lower Bound |                          | <0.001               | <0.05               | <0.1               | <0.2               | <0.01               | <0.02               |                 |                 |
| Target Range - Upper Bound |                          | 0.002                | 0.10                | 0.2                | 0.4                | 0.02                | 0.04                |                 |                 |
| BLANK                      |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| BLANK                      |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| Target Range - Lower Bound |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| Target Range - Upper Bound |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| BLANK                      |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| Target Range - Lower Bound |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| Target Range - Upper Bound |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| BLANK                      |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| Target Range - Lower Bound |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| Target Range - Upper Bound |                          |                      |                     |                    |                    |                     |                     |                 |                 |
| BLANK                      |                          |                      |                     |                    |                    |                     |                     | <0.01           | 0.01            |
| Target Range - Lower Bound |                          |                      |                     |                    |                    |                     |                     | <0.01           | <0.01           |
| Target Range - Upper Bound |                          |                      |                     |                    |                    |                     |                     | 0.02            | 0.02            |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20062907**

| Sample Description         | Method<br>Analyte<br>Units<br>LOD | ME-XRF26   | ME-XRF26 | ME-XRF26 | ME-XRF26   | ME-XRF26   | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26  | ME-XRF26  | ME-XRF26  | ME-XRF26 | ME-XRF26  | OA-GRA05x     | ME-XRF26   |
|----------------------------|-----------------------------------|------------|----------|----------|------------|------------|----------|----------|----------|-----------|-----------|-----------|----------|-----------|---------------|------------|
|                            |                                   | Al2O3<br>% | BaO<br>% | CaO<br>% | Cr2O3<br>% | Fe2O3<br>% | K2O<br>% | MgO<br>% | MnO<br>% | Na2O<br>% | P2O5<br>% | SiO2<br>% | SrO<br>% | TiO2<br>% | LOI 1000<br>% | Total<br>% |
|                            |                                   | 0.01       | 0.01     | 0.01     | 0.01       | 0.01       | 0.01     | 0.01     | 0.01     | 0.01      | 0.01      | 0.01      | 0.01     | 0.01      | 0.01          | 0.01       |
| <b>DUPLICATES</b>          |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |
| W933494                    |                                   | 13.34      | 0.26     | 5.51     | 0.04       | 5.82       | 5.15     | 5.29     | 0.09     | 3.67      | 0.54      | 56.66     | 0.08     | 0.59      |               | 100.25     |
| DUP                        |                                   | 13.25      | 0.26     | 5.46     | 0.04       | 5.84       | 5.06     | 5.25     | 0.09     | 3.66      | 0.53      | 56.30     | 0.08     | 0.57      |               | 99.55      |
| Target Range - Lower Bound |                                   | 13.09      | 0.24     | 5.39     | 0.03       | 5.73       | 4.97     | 5.18     | 0.08     | 3.56      | 0.51      | 55.62     | 0.07     | 0.56      |               | 98.89      |
| Upper Bound                |                                   | 13.50      | 0.28     | 5.58     | 0.05       | 5.93       | 5.24     | 5.36     | 0.10     | 3.77      | 0.56      | 57.34     | 0.09     | 0.60      |               | 100.90     |
| W934668                    |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           | 22.51         |            |
| DUP                        |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           | 22.56         |            |
| Target Range - Lower Bound |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           | 21.96         |            |
| Upper Bound                |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           | 23.11         |            |
| W934703                    |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |
| DUP                        |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |
| Target Range - Lower Bound |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |
| Upper Bound                |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |
| W934713                    |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |
| DUP                        |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |
| Target Range - Lower Bound |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |
| Upper Bound                |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |
| W934847                    |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |
| DUP                        |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |
| Target Range - Lower Bound |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |
| Upper Bound                |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |
| ORIGINAL                   |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |
| DUP                        |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |
| Target Range - Lower Bound |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |
| Upper Bound                |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |
| ORIGINAL                   |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |
| DUP                        |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |
| Target Range - Lower Bound |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |
| Upper Bound                |                                   |            |          |          |            |            |          |          |          |           |           |           |          |           |               |            |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20062907**

| Sample Description                                           | Method<br>Analyte<br>Units<br>LOD | ME-MS81<br>Ba<br>ppm<br>0.5  | ME-MS81<br>Ce<br>ppm<br>0.1      | ME-MS81<br>Cr<br>ppm<br>10 | ME-MS81<br>Cs<br>ppm<br>0.01 | ME-MS81<br>Dy<br>ppm<br>0.05 | ME-MS81<br>Er<br>ppm<br>0.03 | ME-MS81<br>Eu<br>ppm<br>0.02 | ME-MS81<br>Ga<br>ppm<br>0.1  | ME-MS81<br>Gd<br>ppm<br>0.05 | ME-MS81<br>Ge<br>ppm<br>5 | ME-MS81<br>Hf<br>ppm<br>0.1 | ME-MS81<br>Ho<br>ppm<br>0.01 | ME-MS81<br>La<br>ppm<br>0.1  | ME-MS81<br>Lu<br>ppm<br>0.01 | ME-MS81<br>Nb<br>ppm<br>0.1 |  |
|--------------------------------------------------------------|-----------------------------------|------------------------------|----------------------------------|----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|---------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|--|
| <b>DUPLICATES</b>                                            |                                   |                              |                                  |                            |                              |                              |                              |                              |                              |                              |                           |                             |                              |                              |                              |                             |  |
| W933494<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                                   |                              |                                  |                            |                              |                              |                              |                              |                              |                              |                           |                             |                              |                              |                              |                             |  |
| W934668<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                                   |                              |                                  |                            |                              |                              |                              |                              |                              |                              |                           |                             |                              |                              |                              |                             |  |
| W934703<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                                   | 3140<br>3280<br>3050<br>3370 | 122.0<br>123.0<br>116.5<br>128.5 | 50<br>50<br>40<br>60       | 1.11<br>1.16<br>1.07<br>1.20 | 2.68<br>2.78<br>2.54<br>2.92 | 1.26<br>1.32<br>1.20<br>1.38 | 1.87<br>1.86<br>1.75<br>1.98 | 20.1<br>21.6<br>19.7<br>22.0 | 5.10<br>5.29<br>4.89<br>5.50 | <5<br><5<br><5<br>10      | 3.7<br>4.0<br>3.6<br>4.1    | 0.48<br>0.49<br>0.45<br>0.52 | 63.0<br>63.6<br>60.0<br>66.6 | 0.17<br>0.18<br>0.16<br>0.19 | 5.5<br>5.4<br>5.1<br>5.8    |  |
| W934713<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                                   |                              |                                  |                            |                              |                              |                              |                              |                              |                              |                           |                             |                              |                              |                              |                             |  |
| W934847<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                                   |                              |                                  |                            |                              |                              |                              |                              |                              |                              |                           |                             |                              |                              |                              |                             |  |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                                   |                              |                                  |                            |                              |                              |                              |                              |                              |                              |                           |                             |                              |                              |                              |                             |  |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                                   | 245<br>240<br>230<br>255     | 16.8<br>16.3<br>15.6<br>17.5     | 110<br>110<br>90<br>130    | 7.43<br>7.25<br>6.96<br>7.72 | 6.64<br>6.49<br>6.19<br>6.94 | 4.43<br>4.43<br>4.18<br>4.68 | 1.56<br>1.51<br>1.44<br>1.63 | 20.1<br>19.2<br>18.6<br>20.7 | 5.66<br>5.63<br>5.31<br>5.98 | <5<br><5<br><5<br>10      | 3.2<br>3.1<br>2.9<br>3.4    | 1.34<br>1.33<br>1.26<br>1.41 | 6.5<br>6.5<br>6.1<br>6.9     | 0.58<br>0.56<br>0.53<br>0.61 | 5.0<br>4.9<br>4.6<br>5.3    |  |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                                   |                              |                                  |                            |                              |                              |                              |                              |                              |                              |                           |                             |                              |                              |                              |                             |  |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20062907**

| Sample Description                                           | Method Analyte Units LOD | ME-MS81<br>Nd<br>ppm<br>0.1  | ME-MS81<br>Pr<br>ppm<br>0.02     | ME-MS81<br>Rb<br>ppm<br>0.2  | ME-MS81<br>Sm<br>ppm<br>0.03 | ME-MS81<br>Sn<br>ppm<br>1 | ME-MS81<br>Sr<br>ppm<br>0.1      | ME-MS81<br>Ta<br>ppm<br>0.1 | ME-MS81<br>Tb<br>ppm<br>0.01 | ME-MS81<br>Th<br>ppm<br>0.05     | ME-MS81<br>Tm<br>ppm<br>0.01 | ME-MS81<br>U<br>ppm<br>0.05  | ME-MS81<br>V<br>ppm<br>5 | ME-MS81<br>W<br>ppm<br>1 | ME-MS81<br>Y<br>ppm<br>0.1   | ME-MS81<br>Yb<br>ppm<br>0.03 |  |
|--------------------------------------------------------------|--------------------------|------------------------------|----------------------------------|------------------------------|------------------------------|---------------------------|----------------------------------|-----------------------------|------------------------------|----------------------------------|------------------------------|------------------------------|--------------------------|--------------------------|------------------------------|------------------------------|--|
| <b>DUPLICATES</b>                                            |                          |                              |                                  |                              |                              |                           |                                  |                             |                              |                                  |                              |                              |                          |                          |                              |                              |  |
| W933494<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                              |                                  |                              |                              |                           |                                  |                             |                              |                                  |                              |                              |                          |                          |                              |                              |  |
| W934668<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                              |                                  |                              |                              |                           |                                  |                             |                              |                                  |                              |                              |                          |                          |                              |                              |  |
| W934703<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | 53.3<br>54.5<br>51.1<br>56.7 | 14.20<br>14.35<br>13.55<br>15.00 | 88.7<br>91.9<br>85.6<br>95.0 | 8.50<br>8.41<br>8.00<br>8.91 | 1<br>1<br><1<br>2         | 346<br>366<br>338<br>374         | 0.2<br>0.2<br><0.1<br>0.3   | 0.52<br>0.58<br>0.51<br>0.59 | 11.55<br>12.00<br>11.15<br>12.40 | 0.21<br>0.19<br>0.18<br>0.22 | 3.29<br>3.31<br>3.09<br>3.52 | 95<br>99<br>87<br>107    | 9<br>10<br>8<br>11       | 13.3<br>13.7<br>12.7<br>14.3 | 1.05<br>1.24<br>1.06<br>1.23 |  |
| W934713<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                              |                                  |                              |                              |                           |                                  |                             |                              |                                  |                              |                              |                          |                          |                              |                              |  |
| W934847<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                              |                                  |                              |                              |                           |                                  |                             |                              |                                  |                              |                              |                          |                          |                              |                              |  |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                              |                                  |                              |                              |                           |                                  |                             |                              |                                  |                              |                              |                          |                          |                              |                              |  |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | 13.8<br>13.6<br>12.9<br>14.5 | 2.57<br>2.54<br>2.41<br>2.70     | 22.5<br>21.5<br>20.7<br>23.3 | 4.46<br>4.35<br>4.15<br>4.66 | 1<br>1<br><1<br>2         | 158.0<br>154.0<br>148.0<br>164.0 | 0.2<br>0.3<br><0.1<br>0.4   | 0.96<br>0.95<br>0.90<br>1.01 | 0.55<br>0.58<br>0.49<br>0.64     | 0.57<br>0.59<br>0.54<br>0.62 | 0.13<br>0.14<br>0.08<br>0.19 | 433<br>418<br>399<br>452 | 1<br>1<br><1<br>2        | 34.3<br>33.3<br>32.0<br>35.6 | 4.17<br>3.97<br>3.84<br>4.30 |  |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                              |                                  |                              |                              |                           |                                  |                             |                              |                                  |                              |                              |                          |                          |                              |                              |  |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20062907**

| Sample Description                                           | Method Analyte Units LOD | ME-MS81<br>Zr<br>ppm<br>2 | ME-4ACD81<br>Ag<br>ppm<br>0.5 | ME-4ACD81<br>Cd<br>ppm<br>0.5 | ME-4ACD81<br>Co<br>ppm<br>1 | ME-4ACD81<br>Cu<br>ppm<br>1 | ME-4ACD81<br>Li<br>ppm<br>10 | ME-4ACD81<br>Mo<br>ppm<br>1 | ME-4ACD81<br>Ni<br>ppm<br>1 | ME-4ACD81<br>Pb<br>ppm<br>2 | ME-4ACD81<br>Sc<br>ppm<br>1 | ME-4ACD81<br>Zn<br>ppm<br>2 | ME-MS42<br>As<br>ppm<br>0.1 | ME-MS42<br>Bi<br>ppm<br>0.01 | ME-MS42<br>Hg<br>ppm<br>0.005 | ME-MS42<br>In<br>ppm<br>0.005 |
|--------------------------------------------------------------|--------------------------|---------------------------|-------------------------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|
| <b>DUPLICATES</b>                                            |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| W933494<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| W934668<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| W934703<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | 145                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
|                                                              |                          | 161                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
|                                                              |                          | 143                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
|                                                              |                          | 163                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| W934713<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| W934847<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                           | 2.4                           | 1.0                           | 56                          | 8                           | 20                           | <1                          | 734                         | 10                          | 16                          | 171                         |                             |                              |                               |                               |
|                                                              |                          |                           | 2.7                           | 0.8                           | 58                          | 11                          | 20                           | <1                          | 772                         | 6                           | 16                          | 179                         |                             |                              |                               |                               |
|                                                              |                          |                           | 1.9                           | <0.5                          | 53                          | 8                           | <10                          | <1                          | 714                         | 6                           | 14                          | 164                         |                             |                              |                               |                               |
|                                                              |                          |                           | 3.2                           | 1.0                           | 61                          | 11                          | 30                           | 2                           | 792                         | 10                          | 18                          | 186                         |                             |                              |                               |                               |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 0.2                         | <0.01                        | <0.005                        | 0.180                         |
|                                                              |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 0.5                         | <0.01                        | <0.005                        | 0.186                         |
|                                                              |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 0.2                         | <0.01                        | <0.005                        | 0.169                         |
|                                                              |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 0.5                         | 0.02                         | 0.010                         | 0.197                         |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | 102                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
|                                                              |                          | 102                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
|                                                              |                          | 95                        |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
|                                                              |                          | 109                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                           | <0.5                          | 0.5                           | 29                          | 53                          | 40                           | 2                           | 141                         | 11                          | 14                          | 99                          |                             |                              |                               |                               |
|                                                              |                          |                           | <0.5                          | 0.5                           | 30                          | 52                          | 40                           | 1                           | 138                         | 8                           | 14                          | 98                          |                             |                              |                               |                               |
|                                                              |                          |                           | <0.5                          | <0.5                          | 27                          | 50                          | 30                           | <1                          | 132                         | 7                           | 12                          | 92                          |                             |                              |                               |                               |
|                                                              |                          |                           | 1.0                           | 1.0                           | 32                          | 55                          | 50                           | 2                           | 147                         | 12                          | 16                          | 105                         |                             |                              |                               |                               |



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 Plus Appendix Pages  
 Finalized Date: 27-MAR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20062907**

| Sample Description                                           | Method Analyte Units LOD | ME-MS42<br>Re<br>ppm<br>0.001       | ME-MS42<br>Sb<br>ppm<br>0.05    | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01   | ME-MS42<br>Tl<br>ppm<br>0.02    | S-IR08<br>S<br>%<br>0.01     | C-IR07<br>C<br>%<br>0.01 |
|--------------------------------------------------------------|--------------------------|-------------------------------------|---------------------------------|-----------------------------|-----------------------------|--------------------------------|---------------------------------|------------------------------|--------------------------|
| <b>DUPLICATES</b>                                            |                          |                                     |                                 |                             |                             |                                |                                 |                              |                          |
| W933494<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                                     |                                 |                             |                             |                                |                                 |                              |                          |
| W934668<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                                     |                                 |                             |                             |                                |                                 |                              |                          |
| W934703<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                                     |                                 |                             |                             |                                |                                 |                              |                          |
| W934713<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                                     |                                 |                             |                             |                                | 0.61<br>0.61<br>0.58<br>0.64    | 0.65<br>0.64<br>0.62<br>0.67 |                          |
| W934847<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                                     |                                 |                             |                             |                                |                                 |                              |                          |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | <0.001<br><0.001<br><0.001<br>0.002 | <0.05<br><0.05<br><0.05<br>0.10 | 1.6<br>1.7<br>1.5<br>1.8    | 0.5<br>0.6<br>0.3<br>0.8    | <0.01<br>0.01<br><0.01<br>0.02 | <0.02<br><0.02<br><0.02<br>0.04 |                              |                          |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                                     |                                 |                             |                             |                                |                                 |                              |                          |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                                     |                                 |                             |                             |                                |                                 |                              |                          |





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Finalized Date: **27-MAR-2020**  
Account: **GOLHIGH**

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20062907**

### CERTIFICATE COMMENTS

#### LABORATORY ADDRESSES

|                    |                                                                                        |          |           |         |
|--------------------|----------------------------------------------------------------------------------------|----------|-----------|---------|
| Applies to Method: | Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. |          |           |         |
|                    | C-IR07                                                                                 | FND-02   | ME-4ACD81 | ME-MS42 |
|                    | ME-MS81                                                                                | ME-XRF26 | OA-GRA05x | S-IR08  |



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Plus Appendix Pages  
Finalized Date: 5-APR-2020  
Account: GOLHIGH

**CERTIFICATE TM20064068**

Project: Golden Perimeter  
P.O. No.: GP20-02  
This report is for 213 Drill Core samples submitted to our lab in Timmins, ON,  
Canada on 13-MAR-2020.

The following have access to data associated with this certificate:

IAN DUNLOP  
CONOR MCKINLEY

DARWIN GREEN

NEAL MAGUIRE

**SAMPLE PREPARATION**

| ALS CODE | DESCRIPTION                     |
|----------|---------------------------------|
| WEI-21   | Received Sample Weight          |
| LOG-21   | Sample logging - ClientBarCode  |
| CRU-QC   | Crushing QC Test                |
| PUL-QC   | Pulverizing QC Test             |
| CRU-31   | Fine crushing - 70% <2mm        |
| SPL-21   | Split sample - riffle splitter  |
| PUL-31   | Pulverize up to 250g 85% <75 um |
| LOG-23   | Pulp Login - Rcvd with Barcode  |

**ANALYTICAL PROCEDURES**

| ALS CODE | DESCRIPTION                   | INSTRUMENT |
|----------|-------------------------------|------------|
| ME-ICP61 | 33 element four acid ICP-AES  | ICP-AES    |
| Au-AA26  | Ore Grade Au 50g FA AA finish | AAS        |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:

Saa Traxler, General Manager, North Vancouver



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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064068**

| Sample Description | Method  | WEI-21    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|---------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    | Analyte | Recvd Wt. | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga       |
| Units              |         | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      |
| LOD                |         | 0.02      | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       |
| W934903            |         | 1.84      | 0.01    | 0.7      | 8.38     | <5       | 2420     | 2.2      | <2       | 1.24     | <0.5     | 13       | 43       | 51       | 3.34     | 20       |
| W934904            |         | 2.29      | 0.01    | <0.5     | 8.23     | <5       | 2800     | 2.2      | <2       | 1.67     | <0.5     | 15       | 38       | 38       | 3.28     | 20       |
| W934905            |         | 1.31      | 0.49    | 0.7      | 6.99     | <5       | 2900     | 2.0      | <2       | 0.55     | <0.5     | 12       | 40       | 59       | 2.86     | 20       |
| W934906            |         | 0.78      | 0.01    | <0.5     | 7.05     | <5       | 2700     | 2.0      | <2       | 2.96     | <0.5     | 15       | 43       | 15       | 3.16     | 20       |
| W934907            |         | 3.29      | 0.01    | <0.5     | 7.50     | <5       | 2850     | 2.0      | <2       | 2.51     | <0.5     | 13       | 38       | 53       | 3.31     | 20       |
| W934908            |         | 0.53      | 0.01    | <0.5     | 6.82     | <5       | 1780     | 2.6      | 3        | 2.84     | <0.5     | 11       | 37       | 13       | 2.53     | 20       |
| W934909            |         | 2.93      | 0.01    | <0.5     | 7.55     | <5       | 2640     | 2.2      | 2        | 2.32     | <0.5     | 13       | 39       | 110      | 3.27     | 20       |
| W934910            |         | 0.29      | <0.01   | <0.5     | 0.68     | <5       | 30       | <0.5     | 2        | 0.02     | <0.5     | 2        | 13       | 1        | 0.66     | <10      |
| W934911            |         | 3.24      | <0.01   | <0.5     | 8.19     | <5       | 2490     | 2.0      | <2       | 1.61     | <0.5     | 15       | 40       | 56       | 3.56     | 20       |
| W934912            |         | 0.99      | <0.01   | <0.5     | 8.07     | <5       | 2630     | 2.0      | 3        | 2.32     | <0.5     | 14       | 36       | 15       | 3.51     | 20       |
| W934913            |         | 1.13      | <0.01   | <0.5     | 7.99     | <5       | 2660     | 2.0      | 2        | 1.34     | <0.5     | 14       | 39       | 28       | 3.47     | 20       |
| W934914            |         | 1.41      | 0.02    | <0.5     | 7.07     | <5       | 2530     | 2.0      | <2       | 2.60     | <0.5     | 13       | 34       | 56       | 3.10     | 20       |
| W934915            |         | 0.76      | 2.41    | 7.8      | 2.27     | <5       | 580      | 0.7      | 23       | 0.75     | <0.5     | 5        | 28       | 13       | 1.29     | 10       |
| W934916            |         | 1.82      | 0.01    | <0.5     | 7.32     | 6        | 2440     | 2.4      | 2        | 2.95     | <0.5     | 13       | 38       | 105      | 3.21     | 20       |
| W934917            |         | 0.85      | 0.01    | 0.6      | 7.55     | <5       | 2910     | 2.2      | 4        | 2.41     | <0.5     | 12       | 40       | 226      | 3.12     | 20       |
| W934918            |         | 2.43      | 0.01    | <0.5     | 7.27     | <5       | 2720     | 1.9      | <2       | 2.90     | <0.5     | 15       | 37       | 51       | 3.32     | 20       |
| W934919            |         | 3.60      | <0.01   | <0.5     | 7.16     | <5       | 2680     | 1.9      | <2       | 2.69     | <0.5     | 14       | 37       | 28       | 3.22     | 20       |
| W934920            |         | 0.06      | 0.53    |          |          |          |          |          |          |          |          |          |          |          |          |          |
| W934921            |         | 3.49      | <0.01   | <0.5     | 7.81     | <5       | 2530     | 2.0      | <2       | 2.25     | <0.5     | 14       | 37       | 26       | 3.36     | 20       |
| W934922            |         | 1.93      | 0.02    | <0.5     | 7.59     | <5       | 2650     | 2.0      | <2       | 2.81     | <0.5     | 16       | 36       | 16       | 3.42     | 20       |
| W934923            |         | 0.84      | 0.43    | <0.5     | 6.64     | <5       | 2080     | 2.7      | 2        | 2.11     | <0.5     | 13       | 34       | 32       | 2.92     | 20       |
| W934924            |         | 3.44      | 0.25    | <0.5     | 7.34     | <5       | 2560     | 2.3      | <2       | 2.86     | <0.5     | 13       | 37       | 20       | 3.12     | 20       |
| W934925            |         | 1.33      | 0.72    | 1.5      | 5.01     | <5       | 1790     | 1.6      | 6        | 1.62     | <0.5     | 8        | 33       | 24       | 2.12     | 10       |
| W934926            |         | 2.57      | 0.01    | <0.5     | 7.45     | <5       | 2400     | 2.1      | <2       | 2.54     | <0.5     | 14       | 36       | 42       | 3.17     | 20       |
| W934927            |         | 3.53      | <0.01   | <0.5     | 7.76     | <5       | 2520     | 2.1      | <2       | 2.44     | <0.5     | 12       | 32       | 9        | 3.26     | 20       |
| W934928            |         | 2.08      | 0.02    | <0.5     | 7.49     | <5       | 2730     | 2.1      | <2       | 2.43     | <0.5     | 13       | 38       | 21       | 3.22     | 20       |
| W934929            |         | 0.63      | 0.02    | <0.5     | 7.69     | <5       | 2660     | 2.9      | <2       | 1.23     | <0.5     | 12       | 36       | 24       | 3.04     | 20       |
| W934930            |         | 0.26      | <0.01   | <0.5     | 1.90     | <5       | 20       | <0.5     | <2       | 0.02     | <0.5     | 1        | 15       | 3        | 0.98     | <10      |
| W934931            |         | 1.94      | <0.01   | <0.5     | 7.71     | <5       | 2250     | 2.0      | 2        | 1.44     | <0.5     | 14       | 32       | 12       | 3.28     | 20       |
| W934932            |         | 0.34      | <0.01   | <0.5     | 7.80     | <5       | 2360     | 2.2      | 2        | 0.98     | <0.5     | 14       | 32       | 50       | 3.18     | 20       |
| W934933            |         | 0.31      | 0.01    | <0.5     | 8.17     | <5       | 2740     | 2.3      | 2        | 0.86     | <0.5     | 13       | 35       | 50       | 3.31     | 20       |
| W934934            |         | 2.74      | <0.01   | <0.5     | 7.93     | <5       | 2530     | 1.9      | 2        | 1.74     | <0.5     | 13       | 32       | 9        | 3.35     | 20       |
| W934935            |         | 1.26      | 0.15    | <0.5     | 8.01     | <5       | 2870     | 2.1      | <2       | 1.50     | <0.5     | 13       | 38       | 28       | 3.25     | 20       |
| W934936            |         | 0.86      | 0.12    | <0.5     | 7.76     | <5       | 2340     | 2.0      | <2       | 1.22     | <0.5     | 15       | 36       | 18       | 3.19     | 20       |
| W934937            |         | 2.14      | <0.01   | <0.5     | 8.04     | <5       | 2190     | 1.9      | 4        | 1.26     | <0.5     | 13       | 36       | 21       | 3.38     | 20       |
| W934938            |         | 1.73      | <0.01   | <0.5     | 7.97     | <5       | 2280     | 1.9      | 2        | 1.29     | <0.5     | 15       | 34       | 14       | 3.36     | 20       |
| W934939            |         | 2.24      | 0.01    | <0.5     | 6.92     | <5       | 2630     | 1.9      | <2       | 2.20     | <0.5     | 11       | 32       | 20       | 3.04     | 20       |
| W934940            |         | 0.05      | 0.51    |          |          |          |          |          |          |          |          |          |          |          |          |          |
| W934941            |         | 0.76      | 0.01    | 0.6      | 5.63     | <5       | 3120     | 1.6      | 4        | 0.53     | <0.5     | 9        | 34       | 38       | 2.26     | 10       |
| W934942            |         | 2.46      | 0.01    | 1.4      | 7.86     | 5        | 2540     | 2.2      | 8        | 0.63     | <0.5     | 14       | 44       | 74       | 3.11     | 20       |



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 North Vancouver BC V7H 0A7  
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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064068**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| W934903            |                          | 2.73     | 60       | 0.88     | 421      | <1       | 3.80     | 18       | 1530     | 64       | 0.05     | <5       | 10       | 884      | <20      | 0.24 |
| W934904            |                          | 2.68     | 60       | 1.13     | 603      | <1       | 3.61     | 17       | 1470     | 40       | 0.06     | <5       | 10       | 948      | 20       | 0.25 |
| W934905            |                          | 2.20     | 50       | 0.35     | 235      | <1       | 2.90     | 16       | 1300     | 77       | 0.23     | <5       | 8        | 212      | <20      | 0.15 |
| W934906            |                          | 2.50     | 40       | 1.32     | 765      | <1       | 3.56     | 16       | 1370     | 25       | 0.22     | <5       | 8        | 603      | <20      | 0.22 |
| W934907            |                          | 2.56     | 40       | 1.26     | 709      | <1       | 3.73     | 16       | 1430     | 28       | 0.24     | <5       | 9        | 719      | 20       | 0.22 |
| W934908            |                          | 2.91     | 40       | 1.19     | 777      | <1       | 2.51     | 13       | 1360     | 21       | 0.17     | <5       | 9        | 180      | <20      | 0.22 |
| W934909            |                          | 2.68     | 40       | 1.36     | 587      | <1       | 3.47     | 16       | 1460     | 26       | 0.18     | <5       | 9        | 519      | <20      | 0.22 |
| W934910            |                          | 0.06     | 10       | 0.02     | 34       | <1       | 0.02     | 2        | 50       | <2       | <0.01    | <5       | 1        | 24       | <20      | 0.03 |
| W934911            |                          | 2.58     | 50       | 1.57     | 516      | <1       | 3.58     | 18       | 1530     | 33       | 0.03     | <5       | 10       | 1120     | 20       | 0.26 |
| W934912            |                          | 2.62     | 40       | 1.51     | 644      | <1       | 3.70     | 18       | 1520     | 33       | 0.02     | <5       | 9        | 1475     | 20       | 0.26 |
| W934913            |                          | 2.46     | 50       | 1.56     | 399      | <1       | 3.58     | 20       | 1550     | 36       | 0.04     | <5       | 10       | 1000     | 20       | 0.22 |
| W934914            |                          | 2.46     | 40       | 1.16     | 685      | <1       | 3.41     | 15       | 1370     | 35       | 0.28     | <5       | 8        | 567      | <20      | 0.22 |
| W934915            |                          | 0.65     | 20       | 0.31     | 207      | <1       | 0.97     | 6        | 400      | 389      | 0.37     | <5       | 3        | 103      | <20      | 0.05 |
| W934916            |                          | 3.17     | 40       | 1.23     | 771      | <1       | 2.64     | 17       | 1420     | 49       | 0.18     | <5       | 9        | 483      | <20      | 0.24 |
| W934917            |                          | 3.07     | 40       | 1.04     | 672      | <1       | 3.18     | 14       | 1440     | 38       | 0.65     | <5       | 9        | 385      | <20      | 0.23 |
| W934918            |                          | 2.44     | 40       | 1.27     | 762      | <1       | 3.78     | 16       | 1460     | 30       | 0.53     | <5       | 9        | 588      | <20      | 0.22 |
| W934919            |                          | 2.58     | 40       | 1.09     | 776      | <1       | 3.58     | 17       | 1420     | 29       | 0.09     | <5       | 8        | 795      | <20      | 0.23 |
| W934920            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W934921            |                          | 2.44     | 50       | 1.36     | 617      | <1       | 3.51     | 18       | 1490     | 29       | 0.04     | <5       | 9        | 1160     | 20       | 0.25 |
| W934922            |                          | 2.48     | 40       | 1.42     | 748      | <1       | 3.36     | 15       | 1490     | 29       | 0.11     | <5       | 9        | 1350     | 20       | 0.26 |
| W934923            |                          | 2.82     | 40       | 0.85     | 617      | <1       | 1.71     | 16       | 1250     | 32       | 0.87     | <5       | 8        | 183      | <20      | 0.20 |
| W934924            |                          | 2.78     | 40       | 1.23     | 746      | <1       | 2.97     | 17       | 1390     | 32       | 0.51     | <5       | 9        | 486      | <20      | 0.23 |
| W934925            |                          | 1.73     | 30       | 0.66     | 463      | 1        | 1.85     | 10       | 950      | 85       | 0.27     | <5       | 6        | 225      | <20      | 0.13 |
| W934926            |                          | 2.63     | 40       | 1.13     | 724      | <1       | 3.17     | 17       | 1430     | 34       | 0.17     | <5       | 9        | 629      | <20      | 0.24 |
| W934927            |                          | 2.47     | 50       | 1.25     | 680      | <1       | 3.47     | 17       | 1440     | 36       | 0.09     | <5       | 9        | 1010     | 20       | 0.25 |
| W934928            |                          | 2.49     | 40       | 1.05     | 726      | <1       | 3.35     | 18       | 1400     | 35       | 0.07     | <5       | 9        | 722      | <20      | 0.22 |
| W934929            |                          | 2.91     | 60       | 1.21     | 674      | <1       | 2.67     | 17       | 1360     | 20       | 0.08     | <5       | 9        | 246      | <20      | 0.23 |
| W934930            |                          | 0.05     | 20       | 0.03     | 32       | <1       | 0.02     | 3        | 70       | <2       | <0.01    | <5       | 1        | 21       | <20      | 0.04 |
| W934931            |                          | 2.47     | 50       | 1.43     | 413      | <1       | 3.52     | 16       | 1450     | 37       | 0.02     | <5       | 9        | 1130     | 20       | 0.24 |
| W934932            |                          | 2.45     | 50       | 1.35     | 289      | 1        | 3.29     | 17       | 1390     | 35       | 0.04     | <5       | 9        | 839      | 20       | 0.22 |
| W934933            |                          | 2.59     | 60       | 1.36     | 249      | <1       | 3.48     | 17       | 1490     | 40       | 0.05     | <5       | 9        | 796      | 20       | 0.24 |
| W934934            |                          | 2.54     | 50       | 1.45     | 508      | <1       | 3.52     | 16       | 1470     | 36       | 0.02     | <5       | 9        | 1295     | 20       | 0.25 |
| W934935            |                          | 2.18     | 60       | 0.91     | 605      | <1       | 3.89     | 18       | 1470     | 45       | 0.27     | 5        | 9        | 770      | 20       | 0.22 |
| W934936            |                          | 2.15     | 60       | 1.06     | 432      | <1       | 3.80     | 16       | 1470     | 37       | 0.04     | <5       | 9        | 855      | 20       | 0.22 |
| W934937            |                          | 2.46     | 50       | 1.50     | 438      | <1       | 3.63     | 17       | 1540     | 38       | 0.02     | <5       | 10       | 986      | 20       | 0.25 |
| W934938            |                          | 2.30     | 60       | 1.39     | 414      | 1        | 3.85     | 17       | 1550     | 35       | 0.03     | <5       | 9        | 995      | 20       | 0.24 |
| W934939            |                          | 2.49     | 40       | 0.81     | 1170     | 18       | 3.64     | 18       | 1330     | 31       | 0.22     | <5       | 8        | 489      | <20      | 0.22 |
| W934940            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W934941            |                          | 1.50     | 40       | 0.26     | 681      | <1       | 2.94     | 12       | 1080     | 91       | 0.20     | <5       | 7        | 232      | <20      | 0.15 |
| W934942            |                          | 2.10     | 60       | 0.66     | 337      | <1       | 4.01     | 18       | 1460     | 118      | 0.08     | 5        | 9        | 506      | 20       | 0.21 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Plus Appendix Pages  
 Finalized Date: 5-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064068**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W934903            |                                   | 10       | <10      | 93       | <10      | 75       |
| W934904            |                                   | <10      | <10      | 89       | <10      | 73       |
| W934905            |                                   | <10      | <10      | 90       | <10      | 57       |
| W934906            |                                   | <10      | <10      | 86       | <10      | 63       |
| W934907            |                                   | <10      | <10      | 87       | <10      | 69       |
| W934908            |                                   | <10      | <10      | 83       | 10       | 68       |
| W934909            |                                   | <10      | <10      | 90       | <10      | 79       |
| W934910            |                                   | <10      | <10      | 4        | <10      | 5        |
| W934911            |                                   | 10       | <10      | 92       | <10      | 77       |
| W934912            |                                   | <10      | <10      | 89       | <10      | 74       |
| W934913            |                                   | <10      | <10      | 91       | <10      | 77       |
| W934914            |                                   | <10      | <10      | 84       | <10      | 63       |
| W934915            |                                   | <10      | <10      | 24       | <10      | 17       |
| W934916            |                                   | <10      | <10      | 92       | <10      | 74       |
| W934917            |                                   | <10      | <10      | 93       | <10      | 62       |
| W934918            |                                   | <10      | <10      | 89       | <10      | 67       |
| W934919            |                                   | <10      | <10      | 86       | <10      | 70       |
| W934920            |                                   |          |          |          |          |          |
| W934921            |                                   | <10      | <10      | 87       | <10      | 76       |
| W934922            |                                   | <10      | <10      | 87       | <10      | 77       |
| W934923            |                                   | <10      | <10      | 93       | 10       | 64       |
| W934924            |                                   | <10      | <10      | 94       | 10       | 69       |
| W934925            |                                   | <10      | <10      | 52       | 10       | 42       |
| W934926            |                                   | <10      | <10      | 84       | <10      | 72       |
| W934927            |                                   | <10      | <10      | 83       | <10      | 73       |
| W934928            |                                   | <10      | <10      | 83       | <10      | 73       |
| W934929            |                                   | <10      | <10      | 83       | 10       | 71       |
| W934930            |                                   | <10      | <10      | 7        | <10      | 5        |
| W934931            |                                   | 10       | <10      | 83       | <10      | 73       |
| W934932            |                                   | <10      | <10      | 85       | <10      | 72       |
| W934933            |                                   | <10      | <10      | 89       | <10      | 75       |
| W934934            |                                   | <10      | <10      | 83       | <10      | 73       |
| W934935            |                                   | <10      | <10      | 81       | <10      | 69       |
| W934936            |                                   | <10      | <10      | 83       | <10      | 67       |
| W934937            |                                   | <10      | <10      | 86       | <10      | 77       |
| W934938            |                                   | <10      | <10      | 85       | <10      | 77       |
| W934939            |                                   | <10      | <10      | 82       | <10      | 57       |
| W934940            |                                   |          |          |          |          |          |
| W934941            |                                   | <10      | <10      | 59       | <10      | 35       |
| W934942            |                                   | <10      | <10      | 82       | <10      | 68       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Plus Appendix Pages  
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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064068**

| Sample Description | Method Analyte Units LOD | WEI-21       | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|--------------------|--------------------------|--------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Recvd Wt. kg | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm |
|                    |                          | 0.02         | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 0.01     | 10       |        |
| W934943            |                          | 1.56         | 0.29    | 2.9      | 7.37     | <5       | 2960     | 2.2      | 8        | 0.56     | <0.5     | 11       | 52       | 40       | 2.90     | 20     |
| W934944            |                          | 1.58         | 0.02    | <0.5     | 7.77     | <5       | 2380     | 2.0      | <2       | 1.06     | <0.5     | 13       | 38       | 60       | 3.11     | 20     |
| W934945            |                          | 3.36         | 0.02    | <0.5     | 7.59     | <5       | 2500     | 2.1      | <2       | 1.45     | <0.5     | 13       | 38       | 30       | 3.18     | 20     |
| W934946            |                          | 0.51         | 0.25    | 0.5      | 7.23     | <5       | 2760     | 2.1      | 3        | 0.53     | <0.5     | 13       | 42       | 60       | 2.61     | 20     |
| W934947            |                          | 2.67         | 0.06    | 0.5      | 7.42     | <5       | 2460     | 2.0      | <2       | 1.91     | <0.5     | 12       | 35       | 46       | 3.08     | 20     |
| W934948            |                          | 0.59         | <0.01   | <0.5     | 7.85     | <5       | 2640     | 2.2      | <2       | 0.65     | <0.5     | 12       | 41       | 44       | 2.98     | 20     |
| W934949            |                          | 1.77         | 0.02    | <0.5     | 7.89     | <5       | 2770     | 2.0      | 2        | 1.36     | <0.5     | 14       | 35       | 19       | 3.19     | 20     |
| W934950            |                          | 0.28         | <0.01   | <0.5     | 0.69     | <5       | 20       | <0.5     | 3        | 0.01     | <0.5     | 2        | 11       | 2        | 0.73     | <10    |
| W934951            |                          | 0.88         | <0.01   | <0.5     | 7.36     | <5       | 2550     | 2.0      | 2        | 1.68     | <0.5     | 12       | 34       | 59       | 3.04     | 20     |
| W934952            |                          | 0.85         | 0.01    | 1.2      | 7.37     | <5       | 2310     | 2.0      | 7        | 1.91     | <0.5     | 13       | 37       | 47       | 3.12     | 20     |
| W934953            |                          | 1.41         | 0.07    | <0.5     | 7.47     | <5       | 2650     | 2.2      | <2       | 2.28     | <0.5     | 12       | 33       | 40       | 3.11     | 20     |
| W934954            |                          | 1.36         | 0.64    | <0.5     | 6.79     | <5       | 2490     | 2.2      | <2       | 2.21     | <0.5     | 12       | 32       | 65       | 2.91     | 20     |
| W934955            |                          | 1.43         | 0.01    | <0.5     | 7.69     | <5       | 2400     | 2.1      | 3        | 2.02     | <0.5     | 13       | 33       | 20       | 3.15     | 20     |
| W934956            |                          | 1.22         | 0.83    | <0.5     | 6.58     | <5       | 2120     | 2.6      | <2       | 1.70     | <0.5     | 11       | 44       | 50       | 2.80     | 20     |
| W934957            |                          | 1.68         | <0.01   | <0.5     | 7.50     | <5       | 2290     | 2.0      | <2       | 1.51     | <0.5     | 12       | 34       | 14       | 3.14     | 20     |
| W934958            |                          | 1.74         | <0.01   | <0.5     | 7.66     | <5       | 2290     | 2.1      | 3        | 1.72     | <0.5     | 13       | 32       | 19       | 3.19     | 20     |
| W934959            |                          | 2.06         | 0.03    | <0.5     | 6.83     | <5       | 2400     | 2.1      | <2       | 2.33     | <0.5     | 11       | 35       | 62       | 2.84     | 20     |
| W934960            |                          | 0.05         | 0.52    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W934961            |                          | 0.51         | 1.01    | <0.5     | 4.33     | <5       | 1490     | 1.5      | 3        | 1.35     | <0.5     | 7        | 23       | 16       | 1.92     | 10     |
| W934962            |                          | 2.27         | 0.02    | <0.5     | 7.37     | <5       | 2610     | 2.0      | <2       | 2.21     | <0.5     | 12       | 31       | 30       | 3.00     | 20     |
| W934963            |                          | 1.31         | 0.10    | <0.5     | 6.64     | <5       | 2400     | 2.2      | <2       | 2.54     | <0.5     | 12       | 29       | 23       | 2.73     | 20     |
| W934964            |                          | 2.12         | <0.01   | <0.5     | 6.72     | <5       | 2340     | 2.0      | <2       | 2.59     | <0.5     | 12       | 32       | 43       | 2.82     | 20     |
| W934965            |                          | 0.74         | 0.24    | <0.5     | 6.61     | <5       | 1650     | 2.5      | 3        | 2.27     | <0.5     | 11       | 30       | 35       | 2.56     | 20     |
| W934966            |                          | 0.69         | 0.49    | <0.5     | 6.38     | <5       | 1700     | 2.4      | 3        | 2.16     | <0.5     | 11       | 27       | 31       | 2.58     | 20     |
| W934967            |                          | 1.36         | 0.12    | <0.5     | 6.78     | <5       | 1840     | 2.5      | <2       | 2.88     | <0.5     | 12       | 30       | 46       | 2.80     | 20     |
| W934968            |                          | 1.48         | 0.15    | <0.5     | 6.86     | <5       | 2530     | 2.2      | <2       | 2.53     | <0.5     | 12       | 42       | 155      | 2.38     | 20     |
| W934969            |                          | 1.20         | 0.03    | <0.5     | 5.94     | <5       | 2310     | 2.6      | <2       | 2.62     | <0.5     | 11       | 52       | 54       | 2.40     | 20     |
| W934970            |                          | 0.21         | <0.01   | <0.5     | 0.90     | <5       | 140      | <0.5     | 2        | 0.05     | <0.5     | 1        | 13       | 3        | 0.84     | <10    |
| W934971            |                          | 2.06         | <0.01   | <0.5     | 6.86     | <5       | 2180     | 2.3      | 2        | 2.36     | <0.5     | 11       | 46       | 50       | 2.61     | 20     |
| W934972            |                          | 1.02         | 0.14    | <0.5     | 6.67     | <5       | 2200     | 2.4      | <2       | 2.54     | <0.5     | 13       | 49       | 35       | 2.46     | 20     |
| W934973            |                          | 0.93         | <0.01   | <0.5     | 7.47     | <5       | 2270     | 2.3      | <2       | 1.87     | <0.5     | 14       | 53       | 30       | 3.00     | 20     |
| W934974            |                          | 3.33         | 0.55    | <0.5     | 7.01     | <5       | 2300     | 2.4      | 3        | 2.50     | <0.5     | 12       | 51       | 30       | 2.73     | 20     |
| W934975            |                          | 2.63         | 0.14    | <0.5     | 7.62     | <5       | 2330     | 2.2      | 2        | 1.83     | <0.5     | 7        | 37       | 43       | 1.97     | 20     |
| W934976            |                          | 1.48         | 0.01    | <0.5     | 6.94     | <5       | 1560     | 1.7      | <2       | 2.42     | <0.5     | 11       | 41       | 40       | 2.12     | 20     |
| W934977            |                          | 3.55         | <0.01   | <0.5     | 3.33     | <5       | 160      | 0.6      | 3        | 5.65     | <0.5     | 74       | 1225     | 43       | 6.03     | 10     |
| W934978            |                          | 2.74         | <0.01   | <0.5     | 2.81     | <5       | 100      | <0.5     | <2       | 4.22     | <0.5     | 81       | 1210     | 39       | 6.21     | 10     |
| W934979            |                          | 3.67         | 0.25    | <0.5     | 2.69     | <5       | 220      | <0.5     | <2       | 4.17     | <0.5     | 84       | 1230     | 51       | 6.26     | 10     |
| W934980            |                          | 0.06         | 0.51    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W934981            |                          | 3.96         | <0.01   | <0.5     | 2.73     | <5       | 130      | <0.5     | <2       | 4.62     | <0.5     | 84       | 1265     | 31       | 6.13     | 10     |
| W934982            |                          | 0.72         | <0.01   | <0.5     | 2.72     | <5       | 290      | 0.5      | <2       | 5.93     | <0.5     | 67       | 1140     | 44       | 5.15     | 10     |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064068**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| W934943            |                          | 2.18     | 60       | 0.37     | 531      | 1        | 3.30     | 16       | 1460     | 177      | 0.19     | <5       | 8        | 220      | <20      | 0.17 |
| W934944            |                          | 2.35     | 60       | 0.62     | 674      | 1        | 3.63     | 16       | 1410     | 39       | 0.07     | <5       | 10       | 546      | 20       | 0.23 |
| W934945            |                          | 2.31     | 50       | 1.11     | 616      | <1       | 3.39     | 18       | 1450     | 38       | 0.06     | <5       | 9        | 911      | 20       | 0.24 |
| W934946            |                          | 2.27     | 50       | 0.30     | 286      | <1       | 2.98     | 14       | 1290     | 53       | 0.13     | <5       | 8        | 143      | <20      | 0.19 |
| W934947            |                          | 2.24     | 50       | 1.12     | 703      | <1       | 3.36     | 14       | 1340     | 53       | 0.30     | <5       | 9        | 663      | 20       | 0.23 |
| W934948            |                          | 1.89     | 60       | 0.72     | 218      | <1       | 4.03     | 18       | 1410     | 46       | 0.08     | <5       | 9        | 681      | 20       | 0.20 |
| W934949            |                          | 2.21     | 50       | 1.08     | 550      | <1       | 3.56     | 17       | 1410     | 37       | 0.17     | <5       | 9        | 775      | 20       | 0.21 |
| W934950            |                          | 0.05     | 10       | 0.05     | 30       | <1       | 0.01     | 3        | 50       | <2       | <0.01    | <5       | 1        | 14       | <20      | 0.03 |
| W934951            |                          | 2.06     | 50       | 1.00     | 637      | <1       | 3.44     | 16       | 1310     | 50       | 0.18     | <5       | 9        | 838      | 20       | 0.22 |
| W934952            |                          | 2.16     | 50       | 1.02     | 746      | 1        | 3.47     | 17       | 1340     | 86       | 0.24     | <5       | 9        | 636      | <20      | 0.23 |
| W934953            |                          | 2.51     | 40       | 1.17     | 789      | <1       | 3.32     | 17       | 1350     | 33       | 0.38     | <5       | 9        | 583      | <20      | 0.24 |
| W934954            |                          | 2.25     | 40       | 1.03     | 624      | <1       | 2.79     | 16       | 1240     | 29       | 1.06     | <5       | 8        | 299      | <20      | 0.19 |
| W934955            |                          | 2.55     | 50       | 1.33     | 625      | <1       | 3.14     | 14       | 1350     | 46       | 0.12     | <5       | 9        | 909      | 20       | 0.24 |
| W934956            |                          | 2.74     | 40       | 0.88     | 497      | <1       | 1.77     | 16       | 1110     | 23       | 1.02     | <5       | 7        | 249      | <20      | 0.17 |
| W934957            |                          | 2.45     | 50       | 1.40     | 479      | <1       | 3.24     | 17       | 1390     | 31       | 0.04     | <5       | 9        | 1115     | 20       | 0.24 |
| W934958            |                          | 2.56     | 50       | 1.42     | 584      | <1       | 3.31     | 14       | 1380     | 30       | 0.03     | <5       | 9        | 1255     | 20       | 0.25 |
| W934959            |                          | 2.32     | 40       | 1.09     | 643      | 1        | 3.32     | 14       | 1270     | 19       | 0.56     | <5       | 8        | 476      | <20      | 0.21 |
| W934960            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W934961            |                          | 1.55     | 30       | 0.64     | 371      | <1       | 1.46     | 9        | 770      | 21       | 0.85     | <5       | 5        | 159      | <20      | 0.11 |
| W934962            |                          | 2.74     | 40       | 1.28     | 631      | <1       | 3.19     | 15       | 1310     | 20       | 0.20     | <5       | 9        | 747      | <20      | 0.23 |
| W934963            |                          | 2.91     | 30       | 1.15     | 660      | <1       | 2.64     | 16       | 1290     | 19       | 0.51     | <5       | 8        | 361      | <20      | 0.21 |
| W934964            |                          | 2.84     | 30       | 1.19     | 663      | <1       | 2.96     | 15       | 1270     | 22       | 0.28     | <5       | 8        | 514      | <20      | 0.22 |
| W934965            |                          | 2.88     | 40       | 1.08     | 525      | <1       | 1.89     | 13       | 1140     | 19       | 0.75     | <5       | 7        | 266      | <20      | 0.18 |
| W934966            |                          | 2.66     | 40       | 1.03     | 492      | <1       | 1.91     | 14       | 1130     | 17       | 0.97     | <5       | 7        | 267      | <20      | 0.16 |
| W934967            |                          | 3.08     | 40       | 1.27     | 616      | 23       | 2.44     | 15       | 1270     | 20       | 0.66     | <5       | 8        | 330      | <20      | 0.22 |
| W934968            |                          | 2.94     | 30       | 1.13     | 552      | 1        | 2.85     | 18       | 1060     | 23       | 0.70     | <5       | 7        | 357      | <20      | 0.18 |
| W934969            |                          | 2.65     | 20       | 1.31     | 549      | 1        | 2.02     | 22       | 1070     | 19       | 0.54     | <5       | 7        | 261      | <20      | 0.18 |
| W934970            |                          | 0.19     | 10       | 0.03     | 42       | <1       | 0.08     | 2        | 60       | <2       | <0.01    | <5       | 1        | 26       | <20      | 0.04 |
| W934971            |                          | 2.26     | 30       | 1.27     | 560      | <1       | 3.33     | 22       | 1140     | 19       | 0.19     | <5       | 7        | 743      | <20      | 0.19 |
| W934972            |                          | 2.65     | 30       | 1.30     | 600      | 4        | 2.92     | 24       | 1110     | 20       | 0.47     | <5       | 7        | 607      | <20      | 0.19 |
| W934973            |                          | 2.71     | 40       | 1.42     | 511      | <1       | 3.46     | 24       | 1330     | 33       | 0.10     | <5       | 9        | 1190     | 20       | 0.22 |
| W934974            |                          | 2.48     | 30       | 1.35     | 595      | <1       | 3.42     | 21       | 1200     | 26       | 0.33     | <5       | 8        | 798      | <20      | 0.20 |
| W934975            |                          | 2.46     | 30       | 1.00     | 425      | <1       | 3.74     | 17       | 810      | 23       | 0.28     | <5       | 6        | 782      | <20      | 0.15 |
| W934976            |                          | 1.48     | 20       | 1.26     | 485      | <1       | 4.39     | 35       | 770      | 12       | 0.54     | <5       | 6        | 583      | <20      | 0.15 |
| W934977            |                          | 0.12     | 10       | 11.70    | 1225     | <1       | 0.19     | 1060     | 130      | 2        | 0.02     | <5       | 19       | 143      | <20      | 0.10 |
| W934978            |                          | 0.02     | <10      | 13.75    | 1060     | <1       | 0.01     | 1265     | 80       | 2        | 0.01     | <5       | 18       | 71       | <20      | 0.11 |
| W934979            |                          | 0.02     | 10       | 14.95    | 1020     | <1       | 0.01     | 1425     | 80       | 3        | 0.01     | <5       | 17       | 83       | <20      | 0.11 |
| W934980            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W934981            |                          | 0.02     | 10       | 14.60    | 1120     | <1       | 0.01     | 1370     | 70       | <2       | 0.01     | <5       | 18       | 95       | <20      | 0.10 |
| W934982            |                          | 0.21     | <10      | 10.85    | 1190     | <1       | 0.01     | 975      | 80       | 2        | 0.02     | <5       | 16       | 138      | <20      | 0.07 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064068**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W934943            |                                   | <10      | <10      | 79       | 10       | 60       |
| W934944            |                                   | <10      | <10      | 83       | <10      | 70       |
| W934945            |                                   | <10      | <10      | 83       | <10      | 71       |
| W934946            |                                   | <10      | <10      | 95       | 10       | 48       |
| W934947            |                                   | <10      | <10      | 81       | <10      | 68       |
| W934948            |                                   | <10      | <10      | 82       | <10      | 69       |
| W934949            |                                   | <10      | <10      | 82       | <10      | 73       |
| W934950            |                                   | <10      | <10      | 4        | <10      | 4        |
| W934951            |                                   | <10      | <10      | 77       | <10      | 66       |
| W934952            |                                   | <10      | <10      | 79       | <10      | 68       |
| W934953            |                                   | <10      | <10      | 87       | 10       | 72       |
| W934954            |                                   | <10      | <10      | 80       | <10      | 54       |
| W934955            |                                   | <10      | <10      | 81       | <10      | 77       |
| W934956            |                                   | <10      | <10      | 86       | <10      | 52       |
| W934957            |                                   | <10      | <10      | 81       | <10      | 72       |
| W934958            |                                   | <10      | <10      | 82       | <10      | 70       |
| W934959            |                                   | <10      | <10      | 79       | <10      | 57       |
| W934960            |                                   |          |          |          |          |          |
| W934961            |                                   | <10      | <10      | 63       | <10      | 34       |
| W934962            |                                   | <10      | <10      | 80       | <10      | 64       |
| W934963            |                                   | <10      | <10      | 84       | <10      | 54       |
| W934964            |                                   | <10      | <10      | 78       | <10      | 58       |
| W934965            |                                   | <10      | <10      | 76       | <10      | 55       |
| W934966            |                                   | <10      | <10      | 71       | 10       | 50       |
| W934967            |                                   | <10      | <10      | 78       | 10       | 56       |
| W934968            |                                   | <10      | <10      | 64       | 10       | 46       |
| W934969            |                                   | <10      | <10      | 78       | <10      | 53       |
| W934970            |                                   | <10      | <10      | 5        | <10      | 5        |
| W934971            |                                   | <10      | <10      | 69       | 10       | 49       |
| W934972            |                                   | <10      | <10      | 81       | <10      | 50       |
| W934973            |                                   | <10      | <10      | 79       | <10      | 64       |
| W934974            |                                   | <10      | <10      | 78       | <10      | 55       |
| W934975            |                                   | <10      | <10      | 58       | <10      | 42       |
| W934976            |                                   | <10      | <10      | 59       | <10      | 33       |
| W934977            |                                   | <10      | <10      | 125      | <10      | 74       |
| W934978            |                                   | <10      | <10      | 110      | <10      | 57       |
| W934979            |                                   | <10      | <10      | 108      | <10      | 56       |
| W934980            |                                   |          |          |          |          |          |
| W934981            |                                   | <10      | <10      | 105      | <10      | 66       |
| W934982            |                                   | <10      | <10      | 116      | <10      | 56       |





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Total # Pages: 7 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 5-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064068**

| Sample Description | Method  | WEI-21    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|---------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    | Analyte | Recvd Wt. | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga       |
|                    | Units   | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      |
|                    | LOD     | 0.02      | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       |
| W934983            |         | 0.76      | 0.03    | <0.5     | 7.24     | <5       | 2550     | 1.4      | 2        | 2.87     | <0.5     | 20       | 96       | 52       | 3.21     | 20       |
| W934984            |         | 0.79      | <0.01   | <0.5     | 2.76     | <5       | 130      | 0.6      | <2       | 4.80     | <0.5     | 70       | 1170     | 53       | 5.69     | 10       |
| W934985            |         | 2.19      | 0.02    | <0.5     | 7.85     | <5       | 2470     | 1.7      | <2       | 1.94     | <0.5     | 12       | 59       | 74       | 2.72     | 20       |
| W934986            |         | 1.25      | 0.12    | <0.5     | 7.72     | <5       | 2710     | 1.9      | 2        | 2.29     | <0.5     | 11       | 48       | 66       | 2.57     | 20       |
| W934987            |         | 1.94      | 0.01    | <0.5     | 7.79     | <5       | 2700     | 1.8      | <2       | 2.41     | <0.5     | 15       | 53       | 80       | 3.06     | 20       |
| W934988            |         | 3.75      | 0.01    | <0.5     | 3.26     | <5       | 30       | <0.5     | <2       | 5.31     | <0.5     | 76       | 1290     | 35       | 6.43     | 10       |
| W934989            |         | 3.70      | <0.01   | <0.5     | 3.05     | <5       | 110      | <0.5     | <2       | 4.53     | <0.5     | 86       | 1315     | 36       | 6.80     | 10       |
| W934990            |         | 0.31      | 0.01    | <0.5     | 0.87     | <5       | 10       | <0.5     | <2       | 0.04     | <0.5     | <1       | 27       | 2        | 0.69     | <10      |
| W934991            |         | 3.79      | <0.01   | <0.5     | 2.63     | <5       | 200      | <0.5     | <2       | 4.63     | <0.5     | 74       | 1125     | 48       | 5.96     | 10       |
| W934992            |         | 2.74      | <0.01   | <0.5     | 3.45     | <5       | 170      | <0.5     | 3        | 5.38     | <0.5     | 77       | 1345     | 49       | 6.65     | 10       |
| W934993            |         | 3.59      | <0.01   | <0.5     | 2.96     | <5       | 260      | <0.5     | <2       | 4.25     | <0.5     | 78       | 1260     | 38       | 6.08     | 10       |
| W934994            |         | 1.91      | 0.01    | 0.6      | 7.13     | <5       | 2240     | 1.4      | 2        | 3.06     | <0.5     | 18       | 129      | 99       | 3.05     | 20       |
| W934995            |         | 1.82      | <0.01   | <0.5     | 2.90     | <5       | 60       | 0.6      | <2       | 4.54     | <0.5     | 74       | 1220     | 29       | 6.12     | 10       |
| W934996            |         | 2.89      | 0.01    | <0.5     | 3.52     | <5       | 100      | 0.7      | 2        | 5.18     | <0.5     | 65       | 1315     | 31       | 6.01     | 10       |
| W934997            |         | 1.20      | 0.02    | <0.5     | 7.02     | <5       | 2310     | 1.4      | 4        | 2.72     | <0.5     | 14       | 66       | 37       | 2.68     | 20       |
| W934998            |         | 1.03      | 0.03    | <0.5     | 7.36     | <5       | 2750     | 1.8      | <2       | 2.42     | <0.5     | 15       | 80       | 37       | 2.96     | 20       |
| W934999            |         | 1.23      | 0.02    | <0.5     | 7.61     | <5       | 2630     | 1.8      | <2       | 2.23     | <0.5     | 12       | 44       | 40       | 2.83     | 20       |
| W935000            |         | 0.06      | 0.52    |          |          |          |          |          |          |          |          |          |          |          |          |          |
| W935001            |         | 2.19      | 0.01    | <0.5     | 2.62     | <5       | 150      | 0.6      | <2       | 4.16     | <0.5     | 70       | 1155     | 42       | 5.53     | 10       |
| W935002            |         | 2.52      | 0.01    | <0.5     | 2.63     | <5       | 110      | 0.5      | <2       | 4.08     | <0.5     | 73       | 1210     | 34       | 5.57     | 10       |
| W935003            |         | 0.63      | 0.05    | <0.5     | 6.71     | <5       | 1210     | 2.5      | <2       | 2.53     | <0.5     | 13       | 78       | 150      | 2.41     | 20       |
| W935004            |         | 2.41      | 0.10    | <0.5     | 6.86     | <5       | 2620     | 2.4      | 4        | 2.64     | <0.5     | 11       | 51       | 273      | 2.53     | 20       |
| W935005            |         | 2.46      | 0.32    | <0.5     | 7.05     | <5       | 2190     | 2.6      | <2       | 2.45     | <0.5     | 12       | 51       | 139      | 2.70     | 20       |
| W935006            |         | 2.38      | 0.10    | <0.5     | 7.47     | <5       | 2290     | 2.4      | <2       | 2.32     | <0.5     | 11       | 48       | 118      | 2.69     | 20       |
| W935007            |         | 2.55      | <0.01   | <0.5     | 2.97     | <5       | 60       | 0.5      | <2       | 6.83     | <0.5     | 71       | 1380     | 69       | 5.66     | 10       |
| W935008            |         | 2.31      | <0.01   | <0.5     | 2.45     | <5       | 30       | <0.5     | <2       | 5.28     | <0.5     | 80       | 1250     | 23       | 5.90     | 10       |
| W935009            |         | 2.05      | <0.01   | <0.5     | 1.63     | <5       | 30       | <0.5     | <2       | 4.69     | <0.5     | 81       | 1075     | 12       | 4.88     | <10      |
| W935010            |         | 0.34      | <0.01   | <0.5     | 0.90     | <5       | 10       | <0.5     | <2       | 0.03     | <0.5     | 1        | 18       | 3        | 0.74     | <10      |
| W935011            |         | 2.63      | <0.01   | <0.5     | 8.07     | <5       | 2940     | 1.9      | <2       | 1.48     | <0.5     | 16       | 62       | 48       | 3.22     | 20       |
| W935012            |         | 1.36      | 0.01    | <0.5     | 7.00     | <5       | 2280     | 2.1      | <2       | 2.59     | <0.5     | 12       | 50       | 48       | 2.76     | 20       |
| W935013            |         | 1.44      | <0.01   | <0.5     | 7.53     | <5       | 2690     | 1.5      | <2       | 0.90     | <0.5     | 13       | 44       | 28       | 2.78     | 20       |
| W935014            |         | 0.89      | <0.01   | <0.5     | 7.07     | <5       | 1960     | 1.4      | <2       | 0.55     | <0.5     | 10       | 39       | 40       | 2.46     | 20       |
| W935015            |         | 1.93      | <0.01   | <0.5     | 7.74     | <5       | 2590     | 1.8      | <2       | 1.54     | <0.5     | 13       | 52       | 62       | 2.87     | 20       |
| W935016            |         | 0.92      | <0.01   | <0.5     | 7.66     | <5       | 2780     | 1.8      | <2       | 1.20     | <0.5     | 15       | 58       | 83       | 3.15     | 20       |
| W935017            |         | 1.09      | <0.01   | <0.5     | 7.70     | 5        | 2940     | 2.0      | <2       | 2.07     | <0.5     | 12       | 42       | 38       | 2.68     | 20       |
| W935018            |         | 2.25      | <0.01   | <0.5     | 7.96     | 5        | 2650     | 2.2      | <2       | 2.10     | <0.5     | 10       | 45       | 46       | 2.68     | 20       |
| W935019            |         | 1.26      | 0.15    | <0.5     | 6.78     | <5       | 2700     | 2.3      | <2       | 3.61     | <0.5     | 12       | 43       | 40       | 2.77     | 20       |
| W935020            |         | 0.06      | 0.52    |          |          |          |          |          |          |          |          |          |          |          |          |          |
| W935021            |         | 1.42      | 0.01    | <0.5     | 7.18     | <5       | 2280     | 2.5      | <2       | 3.04     | <0.5     | 12       | 50       | 57       | 2.75     | 20       |
| W935022            |         | 2.32      | 0.04    | <0.5     | 6.96     | <5       | 2230     | 2.5      | <2       | 2.91     | <0.5     | 12       | 51       | 50       | 2.80     | 20       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| W934983            |                          | 1.58     | 30       | 2.42     | 549      | 1        | 4.29     | 103      | 1170     | 26       | 0.39     | <5       | 9        | 736      | <20      | 0.16 |
| W934984            |                          | 0.27     | <10      | 11.35    | 1170     | 1        | 0.02     | 1070     | 50       | <2       | 0.02     | <5       | 17       | 118      | <20      | 0.08 |
| W934985            |                          | 2.04     | 40       | 1.55     | 541      | <1       | 4.29     | 35       | 1080     | 30       | 0.24     | <5       | 8        | 1145     | <20      | 0.18 |
| W934986            |                          | 2.67     | 40       | 1.34     | 560      | <1       | 4.18     | 24       | 1040     | 19       | 0.71     | 8        | 7        | 798      | <20      | 0.18 |
| W934987            |                          | 2.63     | 40       | 1.87     | 525      | 1        | 3.99     | 50       | 1150     | 16       | 0.49     | <5       | 8        | 785      | <20      | 0.20 |
| W934988            |                          | 0.16     | 10       | 11.75    | 1210     | <1       | 0.01     | 1020     | 90       | 4        | 0.01     | <5       | 21       | 97       | <20      | 0.09 |
| W934989            |                          | 0.02     | 10       | 14.40    | 1250     | <1       | 0.01     | 1255     | 80       | <2       | 0.01     | <5       | 20       | 80       | <20      | 0.09 |
| W934990            |                          | 0.03     | 10       | 0.09     | 37       | <1       | 0.01     | 10       | 40       | <2       | <0.01    | <5       | 1        | 15       | <20      | 0.02 |
| W934991            |                          | 0.03     | 10       | 12.50    | 1365     | <1       | 0.01     | 1160     | 80       | <2       | 0.02     | <5       | 16       | 108      | <20      | 0.08 |
| W934992            |                          | 0.05     | <10      | 12.00    | 1160     | <1       | 0.01     | 947      | 100      | <2       | 0.01     | <5       | 22       | 106      | <20      | 0.12 |
| W934993            |                          | 0.07     | 10       | 13.05    | 1055     | <1       | 0.05     | 1170     | 80       | 2        | 0.01     | <5       | 18       | 102      | <20      | 0.10 |
| W934994            |                          | 1.25     | 30       | 2.39     | 522      | <1       | 4.52     | 101      | 1120     | 17       | 0.52     | <5       | 8        | 803      | <20      | 0.16 |
| W934995            |                          | 0.30     | <10      | 12.15    | 1100     | <1       | 0.01     | 1060     | 70       | 2        | 0.01     | <5       | 18       | 113      | <20      | 0.10 |
| W934996            |                          | 0.24     | 10       | 9.86     | 1095     | <1       | 0.27     | 742      | 130      | 3        | 0.01     | <5       | 20       | 146      | <20      | 0.09 |
| W934997            |                          | 1.77     | 40       | 2.04     | 550      | <1       | 4.37     | 59       | 1280     | 10       | 0.43     | <5       | 8        | 532      | <20      | 0.21 |
| W934998            |                          | 2.37     | 40       | 1.98     | 510      | <1       | 3.74     | 53       | 1230     | 14       | 0.27     | <5       | 8        | 699      | <20      | 0.20 |
| W934999            |                          | 2.53     | 50       | 1.85     | 485      | 1        | 3.75     | 28       | 1280     | 13       | 0.21     | <5       | 8        | 612      | <20      | 0.21 |
| W935000            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935001            |                          | 0.41     | <10      | 11.80    | 997      | <1       | 0.01     | 1040     | 60       | 2        | 0.01     | <5       | 16       | 108      | <20      | 0.08 |
| W935002            |                          | 0.32     | <10      | 12.15    | 969      | <1       | 0.01     | 1115     | 60       | <2       | 0.01     | <5       | 17       | 115      | <20      | 0.08 |
| W935003            |                          | 2.33     | 30       | 1.52     | 442      | 4        | 2.90     | 58       | 780      | 6        | 0.72     | <5       | 7        | 261      | <20      | 0.15 |
| W935004            |                          | 1.97     | 30       | 1.32     | 541      | 6        | 3.70     | 23       | 1110     | 6        | 0.82     | <5       | 7        | 577      | <20      | 0.18 |
| W935005            |                          | 2.63     | 30       | 1.39     | 520      | 1        | 3.14     | 24       | 1140     | 12       | 0.82     | <5       | 8        | 460      | <20      | 0.20 |
| W935006            |                          | 2.88     | 40       | 1.58     | 504      | <1       | 3.30     | 24       | 1140     | 15       | 0.55     | <5       | 8        | 498      | <20      | 0.19 |
| W935007            |                          | 0.18     | 10       | 10.70    | 1280     | 1        | 0.01     | 1085     | 80       | 5        | 0.01     | <5       | 18       | 149      | <20      | 0.06 |
| W935008            |                          | 0.02     | 10       | 14.70    | 1010     | <1       | <0.01    | 1355     | 70       | <2       | <0.01    | <5       | 16       | 98       | <20      | 0.06 |
| W935009            |                          | 0.01     | 10       | 15.80    | 1115     | <1       | 0.01     | 1785     | 50       | 2        | 0.01     | <5       | 11       | 83       | <20      | 0.05 |
| W935010            |                          | 0.02     | 10       | 0.07     | 27       | 1        | <0.01    | 9        | 50       | <2       | <0.01    | <5       | 1        | 8        | <20      | 0.03 |
| W935011            |                          | 3.01     | 40       | 2.26     | 495      | <1       | 3.64     | 54       | 1260     | 19       | 0.25     | <5       | 9        | 784      | <20      | 0.21 |
| W935012            |                          | 2.62     | 30       | 1.42     | 612      | 23       | 3.60     | 24       | 1110     | 19       | 0.72     | <5       | 7        | 650      | <20      | 0.19 |
| W935013            |                          | 3.34     | 40       | 1.73     | 300      | <1       | 3.33     | 40       | 1150     | 17       | 0.18     | 5        | 6        | 529      | <20      | 0.18 |
| W935014            |                          | 3.34     | 30       | 1.49     | 198      | 1        | 3.25     | 41       | 1070     | 20       | 0.10     | <5       | 5        | 281      | <20      | 0.15 |
| W935015            |                          | 3.15     | 40       | 1.75     | 499      | <1       | 3.53     | 23       | 1130     | 18       | 0.29     | <5       | 8        | 740      | <20      | 0.19 |
| W935016            |                          | 3.19     | 40       | 2.05     | 427      | <1       | 3.38     | 27       | 1230     | 20       | 0.25     | <5       | 9        | 738      | <20      | 0.20 |
| W935017            |                          | 2.86     | 40       | 1.46     | 526      | <1       | 3.80     | 21       | 1130     | 32       | 0.14     | 5        | 7        | 949      | <20      | 0.20 |
| W935018            |                          | 2.77     | 40       | 1.37     | 518      | <1       | 3.79     | 18       | 1120     | 39       | 0.07     | <5       | 8        | 1010     | <20      | 0.20 |
| W935019            |                          | 2.40     | 30       | 1.68     | 770      | 3        | 3.44     | 22       | 1090     | 18       | 1.07     | <5       | 7        | 383      | <20      | 0.17 |
| W935020            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935021            |                          | 3.41     | 30       | 1.67     | 644      | <1       | 2.89     | 25       | 1190     | 15       | 0.34     | <5       | 8        | 456      | <20      | 0.20 |
| W935022            |                          | 3.34     | 30       | 1.61     | 629      | 2        | 2.72     | 26       | 1180     | 18       | 0.44     | <5       | 8        | 390      | <20      | 0.20 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064068**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W934983            |                                   | <10      | <10      | 83       | <10      | 42       |
| W934984            |                                   | <10      | <10      | 110      | <10      | 79       |
| W934985            |                                   | <10      | <10      | 69       | <10      | 61       |
| W934986            |                                   | 10       | <10      | 77       | <10      | 47       |
| W934987            |                                   | <10      | <10      | 75       | <10      | 53       |
| W934988            |                                   | <10      | <10      | 123      | <10      | 69       |
| W934989            |                                   | <10      | <10      | 116      | <10      | 60       |
| W934990            |                                   | <10      | <10      | 5        | <10      | 3        |
| W934991            |                                   | <10      | <10      | 101      | <10      | 53       |
| W934992            |                                   | <10      | <10      | 134      | <10      | 63       |
| W934993            |                                   | <10      | <10      | 112      | <10      | 68       |
| W934994            |                                   | <10      | <10      | 77       | <10      | 41       |
| W934995            |                                   | <10      | <10      | 120      | <10      | 70       |
| W934996            |                                   | 10       | <10      | 125      | <10      | 88       |
| W934997            |                                   | <10      | <10      | 77       | <10      | 37       |
| W934998            |                                   | <10      | <10      | 78       | <10      | 43       |
| W934999            |                                   | <10      | <10      | 78       | <10      | 41       |
| W935000            |                                   |          |          |          |          |          |
| W935001            |                                   | <10      | <10      | 101      | <10      | 59       |
| W935002            |                                   | <10      | <10      | 103      | <10      | 56       |
| W935003            |                                   | <10      | <10      | 77       | <10      | 50       |
| W935004            |                                   | <10      | <10      | 68       | <10      | 44       |
| W935005            |                                   | <10      | <10      | 81       | <10      | 56       |
| W935006            |                                   | <10      | <10      | 71       | <10      | 53       |
| W935007            |                                   | <10      | <10      | 110      | <10      | 73       |
| W935008            |                                   | <10      | <10      | 100      | <10      | 59       |
| W935009            |                                   | <10      | <10      | 65       | <10      | 49       |
| W935010            |                                   | <10      | <10      | 4        | <10      | 4        |
| W935011            |                                   | <10      | <10      | 83       | <10      | 65       |
| W935012            |                                   | 10       | <10      | 74       | <10      | 45       |
| W935013            |                                   | <10      | <10      | 64       | <10      | 61       |
| W935014            |                                   | <10      | <10      | 53       | <10      | 57       |
| W935015            |                                   | <10      | <10      | 74       | <10      | 56       |
| W935016            |                                   | <10      | <10      | 83       | <10      | 71       |
| W935017            |                                   | <10      | <10      | 69       | <10      | 53       |
| W935018            |                                   | <10      | <10      | 69       | <10      | 57       |
| W935019            |                                   | <10      | <10      | 67       | 10       | 49       |
| W935020            |                                   |          |          |          |          |          |
| W935021            |                                   | <10      | <10      | 78       | <10      | 61       |
| W935022            |                                   | <10      | <10      | 82       | 10       | 60       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Total # Pages: 7 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 5-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064068**

| Sample Description | Method  | WEI-21    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|---------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    | Analyte | Recvd Wt. | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga       |
| Units              |         | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      |
| LOD                |         | 0.02      | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       |
| W935023            |         | 0.75      | 0.09    | <0.5     | 7.25     | <5       | 2250     | 2.9      | <2       | 2.89     | <0.5     | 13       | 50       | 32       | 2.72     | 20       |
| W935024            |         | 1.07      | 0.29    | <0.5     | 7.16     | <5       | 1460     | 3.0      | <2       | 3.02     | <0.5     | 14       | 53       | 75       | 2.80     | 20       |
| W935025            |         | 1.83      | 0.04    | <0.5     | 6.34     | <5       | 2020     | 2.4      | <2       | 3.30     | <0.5     | 12       | 50       | 27       | 2.63     | 20       |
| W935026            |         | 1.07      | 0.17    | <0.5     | 6.46     | <5       | 2680     | 2.7      | <2       | 3.09     | <0.5     | 12       | 47       | 26       | 2.56     | 20       |
| W935027            |         | 0.89      | 2.36    | <0.5     | 6.20     | <5       | 2380     | 2.5      | <2       | 3.71     | <0.5     | 11       | 47       | 25       | 2.75     | 20       |
| W935028            |         | 0.90      | 0.08    | <0.5     | 6.77     | <5       | 1530     | 2.8      | <2       | 3.02     | <0.5     | 11       | 51       | 14       | 2.75     | 20       |
| W935029            |         | 1.25      | 0.01    | <0.5     | 6.80     | <5       | 2140     | 2.3      | <2       | 3.40     | <0.5     | 10       | 65       | 36       | 2.89     | 20       |
| W935030            |         | 0.32      | <0.01   | <0.5     | 1.27     | <5       | 20       | <0.5     | <2       | 0.02     | <0.5     | <1       | 17       | 2        | 0.71     | <10      |
| W935031            |         | 2.19      | 0.06    | <0.5     | 7.54     | <5       | 2190     | 2.5      | <2       | 2.81     | <0.5     | 11       | 52       | 41       | 2.86     | 20       |
| W935032            |         | 0.68      | 0.01    | <0.5     | 6.66     | <5       | 2660     | 2.1      | <2       | 2.74     | <0.5     | 12       | 46       | 92       | 2.71     | 20       |
| W935033            |         | 0.61      | 0.01    | <0.5     | 7.05     | <5       | 2400     | 2.2      | <2       | 2.88     | <0.5     | 13       | 49       | 102      | 2.68     | 20       |
| W935034            |         | 1.58      | 0.07    | <0.5     | 6.65     | <5       | 2500     | 2.2      | <2       | 2.55     | <0.5     | 12       | 47       | 52       | 2.49     | 20       |
| W935035            |         | 1.06      | 1.11    | 0.5      | 6.97     | <5       | 1740     | 2.6      | <2       | 2.68     | <0.5     | 16       | 47       | 71       | 2.87     | 20       |
| W935036            |         | 1.05      | 0.85    | <0.5     | 6.36     | <5       | 1960     | 2.8      | <2       | 2.36     | <0.5     | 15       | 51       | 40       | 2.43     | 20       |
| W935037            |         | 1.75      | 0.06    | <0.5     | 6.90     | <5       | 850      | 4.2      | 3        | 4.54     | <0.5     | 21       | 166      | 102      | 3.58     | 20       |
| W935038            |         | 2.80      | 0.01    | 4.2      | 2.80     | <5       | 120      | 0.5      | <2       | 6.30     | <0.5     | 73       | 1330     | 56       | 5.37     | 10       |
| W935039            |         | 3.13      | <0.01   | <0.5     | 2.89     | <5       | 190      | <0.5     | <2       | 3.60     | 0.6      | 90       | 1340     | 34       | 6.44     | 10       |
| W935040            |         | 0.06      | 0.50    |          |          |          |          |          |          |          |          |          |          |          |          |          |
| W935041            |         | 2.40      | <0.01   | <0.5     | 3.03     | <5       | 120      | <0.5     | <2       | 4.48     | 0.7      | 91       | 1420     | 55       | 6.83     | 10       |
| W935042            |         | 2.90      | <0.01   | <0.5     | 3.35     | <5       | 100      | <0.5     | <2       | 4.37     | 0.9      | 92       | 1500     | 43       | 7.23     | 10       |
| W935043            |         | 2.18      | <0.01   | <0.5     | 3.49     | <5       | 70       | <0.5     | <2       | 4.02     | 1.1      | 95       | 1580     | 61       | 7.63     | 10       |
| W935044            |         | 3.16      | <0.01   | <0.5     | 2.91     | <5       | 40       | <0.5     | <2       | 4.45     | 0.5      | 93       | 1430     | 42       | 6.93     | 10       |
| W935045            |         | 2.08      | <0.01   | <0.5     | 2.85     | <5       | 10       | <0.5     | <2       | 3.82     | 0.9      | 92       | 1430     | 36       | 6.82     | 10       |
| W935046            |         | 1.40      | <0.01   | <0.5     | 2.53     | <5       | 10       | <0.5     | 2        | 4.31     | 1.2      | 86       | 1180     | 16       | 6.22     | 10       |
| W935047            |         | 1.16      | 0.01    | <0.5     | 3.42     | <5       | 30       | 0.9      | <2       | 6.45     | 0.8      | 73       | 1190     | 3        | 5.95     | 20       |
| W935048            |         | 0.66      | 0.01    | 1.0      | 6.55     | <5       | 290      | 1.2      | 2        | 5.44     | <0.5     | 26       | 320      | 6        | 3.73     | 20       |
| W935049            |         | 1.50      | 0.01    | <0.5     | 7.42     | <5       | 2230     | 1.2      | 2        | 2.14     | <0.5     | 11       | 42       | 12       | 2.28     | 20       |
| W935050            |         | 0.33      | <0.01   | <0.5     | 0.90     | <5       | 20       | <0.5     | <2       | 0.02     | <0.5     | 1        | 16       | 3        | 0.52     | <10      |
| W935051            |         | 1.19      | 0.03    | <0.5     | 7.77     | <5       | 2410     | 1.7      | 5        | 2.52     | <0.5     | 12       | 38       | 15       | 2.43     | 20       |
| W935052            |         | 0.77      | <0.01   | <0.5     | 7.70     | <5       | 2830     | 2.4      | <2       | 2.29     | <0.5     | 13       | 46       | 18       | 2.57     | 20       |
| W935053            |         | 0.84      | <0.01   | <0.5     | 7.34     | <5       | 2500     | 2.3      | <2       | 2.34     | <0.5     | 11       | 42       | 13       | 2.39     | 20       |
| W935054            |         | 1.87      | <0.01   | <0.5     | 7.59     | <5       | 2200     | 2.1      | <2       | 2.13     | <0.5     | 12       | 44       | 19       | 2.41     | 20       |
| W935055            |         | 2.05      | <0.01   | <0.5     | 2.55     | <5       | 50       | 0.6      | <2       | 3.82     | 0.7      | 88       | 1320     | 35       | 5.99     | 10       |
| W935056            |         | 1.02      | <0.01   | <0.5     | 7.07     | <5       | 1120     | 1.5      | <2       | 4.10     | <0.5     | 30       | 220      | 87       | 4.60     | 20       |
| W935057            |         | 3.04      | <0.01   | <0.5     | 3.07     | <5       | 50       | <0.5     | 2        | 3.52     | 0.9      | 95       | 1430     | 35       | 7.09     | 10       |
| W935058            |         | 2.32      | <0.01   | <0.5     | 3.30     | <5       | 190      | <0.5     | <2       | 4.71     | 0.5      | 84       | 1440     | 52       | 7.09     | 10       |
| W935059            |         | 3.18      | <0.01   | <0.5     | 3.05     | <5       | 60       | <0.5     | <2       | 3.65     | 0.8      | 94       | 1460     | 63       | 7.09     | 10       |
| W935060            |         | 0.06      | 0.50    |          |          |          |          |          |          |          |          |          |          |          |          |          |
| W935061            |         | 3.02      | <0.01   | <0.5     | 2.75     | <5       | <10      | <0.5     | <2       | 3.81     | <0.5     | 92       | 1430     | 33       | 6.72     | 10       |
| W935062            |         | 1.71      | <0.01   | 0.6      | 3.13     | <5       | 60       | <0.5     | 3        | 3.41     | 0.7      | 83       | 1040     | 68       | 5.83     | 10       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| W935023            |                          | 3.21     | 30       | 1.41     | 608      | 1        | 2.72     | 25       | 1230     | 15       | 0.78     | <5       | 8        | 275      | <20      | 0.20 |
| W935024            |                          | 3.15     | 40       | 1.47     | 588      | 1        | 2.74     | 24       | 1130     | 16       | 0.84     | <5       | 8        | 349      | <20      | 0.22 |
| W935025            |                          | 2.70     | 40       | 1.73     | 695      | 1        | 3.03     | 27       | 1130     | 15       | 0.66     | 7        | 8        | 366      | <20      | 0.21 |
| W935026            |                          | 2.79     | 30       | 1.34     | 621      | <1       | 2.76     | 21       | 1080     | 15       | 0.70     | <5       | 7        | 323      | <20      | 0.19 |
| W935027            |                          | 2.62     | 30       | 1.79     | 732      | 3        | 2.19     | 24       | 1010     | 19       | 0.85     | <5       | 7        | 271      | <20      | 0.18 |
| W935028            |                          | 3.43     | 30       | 1.61     | 634      | <1       | 1.82     | 24       | 1130     | 11       | 0.72     | <5       | 8        | 218      | <20      | 0.21 |
| W935029            |                          | 2.98     | 30       | 1.75     | 703      | <1       | 3.15     | 28       | 1230     | 15       | 0.44     | <5       | 8        | 418      | <20      | 0.21 |
| W935030            |                          | 0.03     | 20       | 0.01     | 30       | <1       | 0.01     | 1        | 70       | <2       | <0.01    | <5       | 1        | 12       | <20      | 0.03 |
| W935031            |                          | 3.24     | 40       | 1.61     | 604      | <1       | 3.01     | 26       | 1180     | 13       | 0.42     | <5       | 8        | 444      | <20      | 0.21 |
| W935032            |                          | 2.94     | 30       | 1.38     | 604      | 2        | 3.04     | 21       | 1090     | 15       | 0.40     | <5       | 7        | 496      | <20      | 0.19 |
| W935033            |                          | 2.91     | 40       | 1.45     | 609      | 2        | 3.13     | 22       | 1120     | 14       | 0.50     | <5       | 8        | 479      | <20      | 0.19 |
| W935034            |                          | 2.73     | 30       | 1.35     | 560      | 1        | 2.98     | 22       | 1060     | 18       | 0.61     | <5       | 7        | 392      | <20      | 0.19 |
| W935035            |                          | 2.71     | 30       | 1.32     | 531      | 2        | 2.79     | 24       | 1040     | 20       | 1.19     | <5       | 8        | 357      | <20      | 0.19 |
| W935036            |                          | 3.03     | 30       | 1.34     | 510      | 1        | 2.22     | 24       | 1050     | 6        | 0.84     | <5       | 8        | 236      | <20      | 0.20 |
| W935037            |                          | 3.87     | 40       | 3.05     | 750      | <1       | 0.38     | 59       | 1090     | 16       | 0.32     | <5       | 14       | 226      | <20      | 0.31 |
| W935038            |                          | 0.16     | <10      | 10.90    | 1175     | <1       | 0.01     | 1100     | 70       | <2       | 0.01     | <5       | 17       | 155      | <20      | 0.09 |
| W935039            |                          | 0.01     | <10      | 15.30    | 1035     | <1       | 0.01     | 1460     | 70       | 2        | 0.01     | <5       | 18       | 97       | <20      | 0.11 |
| W935040            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935041            |                          | 0.01     | <10      | 14.65    | 1200     | <1       | 0.01     | 1320     | 80       | <2       | 0.02     | <5       | 20       | 118      | <20      | 0.12 |
| W935042            |                          | 0.03     | <10      | 13.45    | 1125     | <1       | 0.01     | 1145     | 90       | 4        | 0.02     | <5       | 21       | 97       | <20      | 0.10 |
| W935043            |                          | 0.03     | <10      | 13.50    | 1155     | <1       | 0.01     | 1115     | 100      | <2       | 0.02     | <5       | 22       | 87       | <20      | 0.09 |
| W935044            |                          | 0.02     | <10      | 14.55    | 1150     | <1       | 0.01     | 1365     | 80       | 4        | 0.01     | <5       | 19       | 97       | <20      | 0.11 |
| W935045            |                          | 0.02     | <10      | 14.60    | 1110     | <1       | 0.01     | 1405     | 80       | <2       | <0.01    | <5       | 19       | 97       | <20      | 0.14 |
| W935046            |                          | 0.02     | <10      | 13.70    | 1240     | <1       | <0.01    | 1315     | 70       | 5        | <0.01    | <5       | 17       | 114      | <20      | 0.11 |
| W935047            |                          | 0.12     | <10      | 11.10    | 1500     | <1       | 0.10     | 1380     | 10       | 3        | <0.01    | <5       | 19       | 191      | <20      | 0.09 |
| W935048            |                          | 0.50     | 30       | 5.01     | 944      | <1       | 3.81     | 281      | 70       | 12       | 0.20     | <5       | 13       | 454      | <20      | 0.15 |
| W935049            |                          | 2.47     | 30       | 1.25     | 448      | <1       | 4.73     | 28       | 1050     | 9        | 0.85     | <5       | 6        | 558      | <20      | 0.17 |
| W935050            |                          | 0.07     | 10       | 0.02     | 23       | <1       | 0.02     | 3        | 50       | <2       | <0.01    | <5       | <1       | 16       | <20      | 0.02 |
| W935051            |                          | 1.62     | 30       | 1.24     | 552      | <1       | 5.31     | 22       | 1030     | 27       | 1.24     | <5       | 7        | 957      | <20      | 0.15 |
| W935052            |                          | 2.94     | 30       | 1.26     | 545      | <1       | 3.82     | 22       | 1150     | 44       | 0.21     | <5       | 8        | 1355     | <20      | 0.18 |
| W935053            |                          | 2.99     | 30       | 1.26     | 609      | <1       | 4.05     | 23       | 1020     | 34       | 0.27     | <5       | 7        | 1075     | <20      | 0.18 |
| W935054            |                          | 2.50     | 30       | 1.28     | 555      | <1       | 4.47     | 25       | 1010     | 28       | 0.27     | <5       | 7        | 1135     | <20      | 0.18 |
| W935055            |                          | 0.11     | <10      | 14.80    | 1020     | 1        | 0.01     | 1475     | 70       | <2       | 0.02     | <5       | 17       | 147      | <20      | 0.04 |
| W935056            |                          | 1.28     | 40       | 3.98     | 833      | 1        | 4.40     | 87       | 1710     | 20       | 0.22     | <5       | 18       | 523      | <20      | 0.29 |
| W935057            |                          | 0.04     | <10      | 15.20    | 1065     | <1       | 0.01     | 1435     | 90       | 3        | 0.01     | <5       | 20       | 116      | <20      | 0.09 |
| W935058            |                          | 0.66     | <10      | 11.75    | 1225     | <1       | 0.03     | 939      | 80       | <2       | 0.01     | <5       | 21       | 139      | <20      | 0.13 |
| W935059            |                          | 0.04     | <10      | 14.65    | 1120     | 1        | 0.01     | 1335     | 70       | <2       | 0.01     | <5       | 20       | 112      | <20      | 0.09 |
| W935060            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935061            |                          | 0.02     | <10      | 15.55    | 1140     | <1       | 0.01     | 1500     | 70       | <2       | <0.01    | <5       | 18       | 96       | <20      | 0.06 |
| W935062            |                          | 0.03     | 10       | 14.85    | 914      | 2        | 0.26     | 1410     | 270      | 8        | 0.14     | <5       | 15       | 145      | <20      | 0.05 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064068**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W935023            |                                   | <10      | <10      | 92       | 10       | 57       |
| W935024            |                                   | <10      | <10      | 84       | 10       | 60       |
| W935025            |                                   | <10      | <10      | 72       | 10       | 56       |
| W935026            |                                   | <10      | <10      | 75       | 10       | 54       |
| W935027            |                                   | <10      | <10      | 70       | 10       | 54       |
| W935028            |                                   | <10      | <10      | 78       | 10       | 57       |
| W935029            |                                   | <10      | <10      | 78       | 10       | 53       |
| W935030            |                                   | <10      | <10      | 4        | <10      | 3        |
| W935031            |                                   | <10      | <10      | 77       | <10      | 62       |
| W935032            |                                   | <10      | <10      | 71       | 10       | 49       |
| W935033            |                                   | <10      | <10      | 72       | 10       | 49       |
| W935034            |                                   | <10      | <10      | 67       | 10       | 56       |
| W935035            |                                   | <10      | <10      | 71       | 10       | 51       |
| W935036            |                                   | <10      | <10      | 74       | 10       | 53       |
| W935037            |                                   | <10      | <10      | 124      | 10       | 79       |
| W935038            |                                   | 10       | <10      | 99       | <10      | 75       |
| W935039            |                                   | 10       | <10      | 109      | <10      | 64       |
| W935040            |                                   |          |          |          |          |          |
| W935041            |                                   | <10      | <10      | 125      | <10      | 73       |
| W935042            |                                   | <10      | <10      | 134      | <10      | 64       |
| W935043            |                                   | <10      | <10      | 140      | <10      | 65       |
| W935044            |                                   | <10      | <10      | 118      | <10      | 65       |
| W935045            |                                   | <10      | <10      | 114      | <10      | 81       |
| W935046            |                                   | <10      | <10      | 94       | <10      | 85       |
| W935047            |                                   | <10      | <10      | 112      | <10      | 162      |
| W935048            |                                   | <10      | <10      | 86       | <10      | 117      |
| W935049            |                                   | <10      | <10      | 53       | 10       | 30       |
| W935050            |                                   | <10      | <10      | 3        | <10      | 4        |
| W935051            |                                   | <10      | <10      | 44       | <10      | 34       |
| W935052            |                                   | <10      | <10      | 68       | <10      | 70       |
| W935053            |                                   | <10      | <10      | 61       | <10      | 55       |
| W935054            |                                   | <10      | <10      | 65       | <10      | 53       |
| W935055            |                                   | <10      | <10      | 99       | <10      | 68       |
| W935056            |                                   | 10       | <10      | 134      | <10      | 68       |
| W935057            |                                   | <10      | <10      | 117      | <10      | 64       |
| W935058            |                                   | <10      | <10      | 135      | <10      | 70       |
| W935059            |                                   | <10      | <10      | 124      | <10      | 62       |
| W935060            |                                   |          |          |          |          |          |
| W935061            |                                   | <10      | <10      | 110      | <10      | 65       |
| W935062            |                                   | <10      | <10      | 108      | <10      | 60       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

Page: 6 - A  
 Total # Pages: 7 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 5-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064068**

| Sample Description | Method                  | WEI-21          | Au-AA26   | ME-ICP61  | ME-ICP61 | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61 | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61 | ME-ICP61  |
|--------------------|-------------------------|-----------------|-----------|-----------|----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|----------|-----------|
|                    | Analyte<br>Units<br>LOD | Recvd Wt.<br>kg | Au<br>ppm | Ag<br>ppm | Al<br>%  | As<br>ppm | Ba<br>ppm | Be<br>ppm | Bi<br>ppm | Ca<br>%  | Cd<br>ppm | Co<br>ppm | Cr<br>ppm | Cu<br>ppm | Fe<br>%  | Ga<br>ppm |
|                    |                         | 0.02            | 0.01      | 0.5       | 0.01     | 5         | 10        | 0.5       | 2         | 0.01     | 0.5       | 1         | 1         | 1         | 0.01     | 10        |
| W935063            |                         | 1.98            | 0.13      | <0.5      | 6.99     | 5         | 1560      | 1.9       | <2        | 3.23     | <0.5      | 22        | 103       | 136       | 3.80     | 20        |
| W935064            |                         | 1.15            | 0.01      | <0.5      | 7.54     | <5        | 1860      | 2.0       | <2        | 3.75     | <0.5      | 23        | 109       | 130       | 4.16     | 20        |
| W935065            |                         | 0.34            | <0.01     | 0.5       | 7.02     | <5        | 2020      | 1.3       | 3         | 3.58     | 0.6       | 23        | 92        | 109       | 3.88     | 20        |
| W935066            |                         | 0.39            | <0.01     | <0.5      | 7.13     | <5        | 2170      | 1.3       | <2        | 3.51     | 0.5       | 23        | 94        | 124       | 3.93     | 20        |
| W935067            |                         | 1.98            | <0.01     | <0.5      | 7.52     | <5        | 2190      | 1.9       | <2        | 2.79     | <0.5      | 27        | 102       | 121       | 4.21     | 20        |
| W935068            |                         | 2.89            | <0.01     | <0.5      | 2.38     | <5        | 10        | <0.5      | <2        | 3.64     | 0.7       | 85        | 1110      | 23        | 5.73     | 10        |
| W935069            |                         | 1.78            | <0.01     | <0.5      | 1.89     | <5        | 10        | <0.5      | <2        | 5.24     | <0.5      | 83        | 1050      | 13        | 5.16     | 10        |
| W935070            |                         | 0.29            | <0.01     | <0.5      | 0.67     | <5        | 20        | <0.5      | <2        | 0.06     | <0.5      | 3         | 25        | 2         | 0.57     | <10       |
| W935071            |                         | 3.17            | <0.01     | <0.5      | 2.74     | <5        | <10       | <0.5      | 3         | 3.88     | <0.5      | 87        | 1370      | 34        | 6.85     | 10        |
| W935072            |                         | 3.07            | <0.01     | <0.5      | 2.15     | <5        | 10        | <0.5      | 6         | 4.80     | 0.5       | 85        | 1150      | 28        | 6.07     | 10        |
| W935073            |                         | 3.11            | <0.01     | <0.5      | 3.43     | <5        | 10        | <0.5      | 3         | 3.07     | <0.5      | 95        | 1590      | 59        | 8.00     | 10        |
| W935074            |                         | 2.58            | <0.01     | <0.5      | 2.99     | <5        | <10       | <0.5      | 5         | 3.67     | <0.5      | 93        | 1410      | 34        | 7.20     | 10        |
| W935075            |                         | 1.63            | <0.01     | <0.5      | 2.95     | <5        | <10       | <0.5      | 2         | 3.35     | <0.5      | 89        | 1470      | 37        | 7.22     | 10        |
| W935076            |                         | 1.39            | 0.01      | <0.5      | 3.00     | <5        | <10       | <0.5      | 9         | 3.03     | <0.5      | 92        | 1480      | 42        | 7.24     | 10        |
| W935077            |                         | 3.27            | <0.01     | <0.5      | 3.14     | <5        | 10        | <0.5      | 5         | 2.91     | <0.5      | 89        | 1590      | 52        | 7.47     | 10        |
| W935078            |                         | 2.69            | <0.01     | <0.5      | 2.47     | <5        | 10        | <0.5      | 8         | 4.88     | 0.5       | 83        | 1220      | 36        | 6.27     | 10        |
| W935079            |                         | 3.08            | <0.01     | <0.5      | 3.29     | <5        | <10       | <0.5      | 4         | 3.22     | <0.5      | 87        | 1390      | 41        | 7.18     | 10        |
| W935080            |                         | 0.06            | 0.51      |           |          |           |           |           |           |          |           |           |           |           |          |           |
| W935081            |                         | 3.02            | <0.01     | <0.5      | 4.09     | <5        | 40        | <0.5      | 6         | 4.73     | <0.5      | 84        | 1690      | 34        | 7.73     | 10        |
| W935082            |                         | 3.37            | <0.01     | <0.5      | 3.54     | <5        | 70        | <0.5      | 2         | 4.28     | <0.5      | 80        | 1320      | 52        | 7.14     | 10        |
| W935083            |                         | 3.21            | <0.01     | <0.5      | 3.25     | <5        | 200       | <0.5      | 5         | 4.42     | <0.5      | 82        | 1260      | 39        | 6.85     | 10        |
| W935084            |                         | 2.92            | 0.01      | <0.5      | 3.34     | <5        | 140       | <0.5      | 6         | 4.76     | <0.5      | 85        | 1310      | 53        | 7.07     | 10        |
| W935085            |                         | 3.10            | <0.01     | <0.5      | 3.46     | <5        | 110       | <0.5      | 4         | 4.59     | 0.6       | 86        | 1410      | 48        | 7.21     | 10        |
| W935086            |                         | 3.23            | <0.01     | <0.5      | 3.17     | <5        | 130       | <0.5      | <2        | 4.29     | <0.5      | 86        | 1360      | 54        | 7.04     | 10        |
| W935087            |                         | 2.38            | <0.01     | <0.5      | 3.52     | <5        | 40        | <0.5      | 5         | 4.59     | <0.5      | 84        | 1270      | 40        | 7.02     | 10        |
| W935088            |                         | 1.49            | 0.01      | <0.5      | 6.94     | <5        | 1440      | 1.8       | <2        | 3.10     | <0.5      | 23        | 160       | 29        | 4.05     | 20        |
| W935089            |                         | 2.20            | 0.03      | <0.5      | 7.21     | <5        | 2140      | 2.1       | 7         | 3.60     | <0.5      | 18        | 105       | 37        | 3.84     | 20        |
| W935090            |                         | 0.28            | <0.01     | <0.5      | 1.42     | <5        | 20        | <0.5      | 2         | 0.03     | <0.5      | <1        | 17        | 2         | 0.59     | <10       |
| W935091            |                         | 1.18            | 0.01      | <0.5      | 6.68     | <5        | 1840      | 2.2       | 4         | 3.67     | <0.5      | 17        | 86        | 180       | 3.40     | 20        |
| W935092            |                         | 1.16            | 0.01      | <0.5      | 6.59     | <5        | 2990      | 2.2       | 4         | 3.82     | <0.5      | 19        | 104       | 186       | 3.72     | 20        |
| W935093            |                         | 1.39            | 0.20      | <0.5      | 6.46     | <5        | 2340      | 2.3       | 4         | 4.14     | <0.5      | 17        | 99        | 137       | 3.46     | 20        |
| W935094            |                         | 1.03            | 0.03      | <0.5      | 6.43     | <5        | 1500      | 2.0       | 5         | 4.29     | <0.5      | 19        | 92        | 145       | 3.73     | 20        |
| W935095            |                         | 1.38            | <0.01     | <0.5      | 6.95     | <5        | 2470      | 2.3       | 3         | 3.85     | <0.5      | 17        | 101       | 69        | 3.70     | 20        |
| W935096            |                         | 1.35            | 0.01      | <0.5      | 7.03     | <5        | 2110      | 2.9       | 4         | 4.13     | <0.5      | 20        | 89        | 55        | 3.97     | 20        |
| W935097            |                         | 1.34            | 0.01      | <0.5      | 7.15     | <5        | 1970      | 2.2       | <2        | 3.90     | <0.5      | 20        | 97        | 79        | 3.69     | 20        |
| W935098            |                         | 0.62            | 0.02      | 0.6       | 7.03     | <5        | 1920      | 2.6       | 2         | 4.37     | <0.5      | 22        | 91        | 56        | 3.77     | 20        |
| W935099            |                         | 0.78            | 0.02      | <0.5      | 7.01     | <5        | 1950      | 2.6       | <2        | 4.16     | <0.5      | 19        | 88        | 49        | 3.59     | 20        |
| W935100            |                         | 0.05            | 0.53      |           |          |           |           |           |           |          |           |           |           |           |          |           |
| W935101            |                         | 1.43            | <0.01     | <0.5      | 7.17     | <5        | 1690      | 2.1       | <2        | 3.71     | <0.5      | 20        | 91        | 44        | 3.85     | 20        |
| W935102            |                         | 1.94            | <0.01     | <0.5      | 7.00     | <5        | 2100      | 1.8       | <2        | 3.75     | <0.5      | 22        | 131       | 17        | 3.99     | 20        |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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**CERTIFICATE OF ANALYSIS TM20064068**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| W935063            |                          | 1.19     | 30       | 2.55     | 715      | 2        | 4.87     | 51       | 1470     | 25       | 0.79     | <5       | 13       | 672      | <20      | 0.27 |
| W935064            |                          | 1.45     | 40       | 2.82     | 744      | <1       | 4.90     | 47       | 1590     | 28       | 0.55     | <5       | 16       | 751      | <20      | 0.31 |
| W935065            |                          | 0.80     | 40       | 2.52     | 819      | 2        | 5.18     | 42       | 1410     | 31       | 1.37     | <5       | 14       | 553      | <20      | 0.22 |
| W935066            |                          | 0.70     | 40       | 2.59     | 830      | 2        | 5.36     | 42       | 1400     | 30       | 1.38     | <5       | 13       | 551      | <20      | 0.22 |
| W935067            |                          | 1.23     | 40       | 3.70     | 815      | 2        | 5.00     | 59       | 1580     | 24       | 0.56     | <5       | 16       | 553      | <20      | 0.28 |
| W935068            |                          | 0.01     | <10      | 15.50    | 920      | 1        | 0.03     | 1580     | 130      | <2       | 0.14     | <5       | 14       | 130      | <20      | 0.05 |
| W935069            |                          | <0.01    | <10      | 16.05    | 991      | <1       | 0.01     | 1645     | 40       | 3        | 0.14     | <5       | 13       | 160      | <20      | 0.04 |
| W935070            |                          | 0.05     | 10       | 0.14     | 28       | <1       | 0.02     | 16       | 110      | <2       | <0.01    | <5       | 1        | 29       | <20      | 0.03 |
| W935071            |                          | 0.01     | <10      | 15.95    | 1025     | 1        | 0.01     | 1340     | 90       | 5        | 0.02     | <5       | 19       | 85       | <20      | 0.05 |
| W935072            |                          | 0.01     | <10      | 16.35    | 1110     | <1       | 0.02     | 1505     | 60       | 5        | <0.01    | <5       | 14       | 95       | <20      | 0.06 |
| W935073            |                          | 0.36     | <10      | 16.05    | 974      | <1       | 0.07     | 1235     | 90       | 5        | 0.01     | <5       | 22       | 58       | <20      | 0.09 |
| W935074            |                          | 0.06     | <10      | 16.10    | 1170     | <1       | 0.06     | 1365     | 80       | 4        | <0.01    | <5       | 20       | 66       | <20      | 0.08 |
| W935075            |                          | 0.04     | <10      | 15.55    | 1050     | <1       | 0.04     | 1320     | 70       | 4        | <0.01    | <5       | 20       | 66       | <20      | 0.06 |
| W935076            |                          | 0.08     | <10      | 15.80    | 988      | <1       | 0.03     | 1300     | 80       | 2        | 0.01     | <5       | 20       | 62       | <20      | 0.06 |
| W935077            |                          | 0.22     | <10      | 14.65    | 850      | 1        | 0.04     | 1155     | 80       | 8        | 0.01     | <5       | 21       | 61       | <20      | 0.07 |
| W935078            |                          | 0.06     | <10      | 15.70    | 1335     | <1       | 0.04     | 1325     | 40       | 3        | <0.01    | <5       | 17       | 97       | <20      | 0.09 |
| W935079            |                          | 0.20     | <10      | 14.60    | 828      | <1       | 0.06     | 1220     | 100      | 4        | 0.01     | <5       | 21       | 71       | <20      | 0.08 |
| W935080            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935081            |                          | 1.38     | <10      | 12.15    | 1010     | <1       | 0.45     | 915      | 130      | 6        | <0.01    | <5       | 26       | 101      | <20      | 0.19 |
| W935082            |                          | 0.62     | <10      | 13.30    | 1085     | <1       | 0.33     | 1010     | 110      | 5        | 0.01     | <5       | 22       | 86       | <20      | 0.11 |
| W935083            |                          | 0.15     | <10      | 14.15    | 1130     | <1       | 0.34     | 1150     | 100      | 6        | 0.02     | <5       | 20       | 96       | <20      | 0.10 |
| W935084            |                          | 0.17     | <10      | 14.55    | 1135     | <1       | 0.14     | 1150     | 100      | 6        | 0.02     | <5       | 21       | 107      | <20      | 0.11 |
| W935085            |                          | 0.11     | <10      | 14.45    | 1140     | <1       | 0.12     | 1155     | 100      | 5        | 0.01     | <5       | 22       | 89       | <20      | 0.08 |
| W935086            |                          | 0.02     | <10      | 14.85    | 1100     | <1       | 0.14     | 1230     | 100      | 3        | 0.01     | <5       | 20       | 88       | <20      | 0.06 |
| W935087            |                          | 0.03     | <10      | 14.05    | 1130     | <1       | 0.35     | 1205     | 230      | 5        | 0.01     | <5       | 21       | 110      | <20      | 0.07 |
| W935088            |                          | 1.76     | 90       | 3.68     | 592      | 2        | 3.67     | 169      | 2890     | 18       | 0.24     | <5       | 10       | 562      | <20      | 0.33 |
| W935089            |                          | 2.42     | 100      | 2.98     | 617      | 1        | 3.38     | 110      | 2990     | 13       | 0.20     | <5       | 9        | 490      | <20      | 0.33 |
| W935090            |                          | 0.04     | 20       | 0.03     | 18       | <1       | 0.02     | 5        | 80       | <2       | <0.01    | <5       | 1        | 26       | <20      | 0.03 |
| W935091            |                          | 1.41     | 90       | 2.15     | 527      | 1        | 4.14     | 78       | 2770     | 11       | 1.10     | <5       | 8        | 568      | 20       | 0.23 |
| W935092            |                          | 1.67     | 90       | 2.78     | 632      | 2        | 3.68     | 104      | 3360     | 11       | 0.75     | <5       | 10       | 693      | <20      | 0.28 |
| W935093            |                          | 1.85     | 100      | 2.53     | 568      | 3        | 3.10     | 96       | 3270     | 8        | 1.09     | <5       | 10       | 421      | 20       | 0.30 |
| W935094            |                          | 1.41     | 100      | 2.76     | 591      | 13       | 3.60     | 111      | 3290     | 11       | 1.06     | <5       | 10       | 616      | <20      | 0.27 |
| W935095            |                          | 1.74     | 100      | 2.82     | 657      | 6        | 3.94     | 108      | 3240     | 12       | 0.64     | <5       | 11       | 780      | 20       | 0.31 |
| W935096            |                          | 1.70     | 110      | 2.77     | 667      | 2        | 4.08     | 103      | 3140     | 17       | 1.01     | <5       | 10       | 848      | 20       | 0.31 |
| W935097            |                          | 1.71     | 100      | 2.74     | 663      | 2        | 3.93     | 111      | 2930     | 16       | 0.54     | <5       | 10       | 745      | 20       | 0.30 |
| W935098            |                          | 2.32     | 110      | 2.69     | 618      | 1        | 2.76     | 109      | 2910     | 20       | 1.11     | <5       | 10       | 548      | 20       | 0.34 |
| W935099            |                          | 2.31     | 100      | 2.64     | 601      | <1       | 2.74     | 104      | 2880     | 16       | 0.83     | <5       | 10       | 519      | 20       | 0.35 |
| W935100            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935101            |                          | 1.74     | 90       | 2.87     | 623      | 5        | 3.84     | 111      | 3020     | 17       | 0.49     | <5       | 10       | 665      | 20       | 0.29 |
| W935102            |                          | 1.59     | 100      | 3.27     | 658      | <1       | 3.54     | 145      | 3240     | 20       | 0.10     | <5       | 10       | 875      | 20       | 0.30 |





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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064068**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W935063            |                                   | <10      | <10      | 115      | <10      | 66       |
| W935064            |                                   | <10      | <10      | 125      | <10      | 71       |
| W935065            |                                   | 10       | <10      | 92       | <10      | 49       |
| W935066            |                                   | <10      | <10      | 92       | <10      | 49       |
| W935067            |                                   | 10       | <10      | 125      | <10      | 62       |
| W935068            |                                   | <10      | <10      | 87       | <10      | 64       |
| W935069            |                                   | <10      | <10      | 73       | <10      | 46       |
| W935070            |                                   | <10      | <10      | 4        | <10      | 3        |
| W935071            |                                   | <10      | <10      | 115      | <10      | 63       |
| W935072            |                                   | <10      | <10      | 90       | <10      | 58       |
| W935073            |                                   | <10      | <10      | 143      | <10      | 68       |
| W935074            |                                   | <10      | <10      | 122      | <10      | 70       |
| W935075            |                                   | <10      | <10      | 116      | <10      | 56       |
| W935076            |                                   | <10      | <10      | 120      | <10      | 57       |
| W935077            |                                   | <10      | <10      | 129      | <10      | 63       |
| W935078            |                                   | <10      | <10      | 101      | <10      | 69       |
| W935079            |                                   | <10      | <10      | 126      | <10      | 60       |
| W935080            |                                   |          |          |          |          |          |
| W935081            |                                   | <10      | <10      | 158      | <10      | 81       |
| W935082            |                                   | <10      | <10      | 136      | <10      | 57       |
| W935083            |                                   | <10      | <10      | 121      | <10      | 59       |
| W935084            |                                   | <10      | <10      | 121      | <10      | 59       |
| W935085            |                                   | <10      | 10       | 129      | <10      | 60       |
| W935086            |                                   | <10      | <10      | 119      | <10      | 63       |
| W935087            |                                   | <10      | <10      | 123      | <10      | 65       |
| W935088            |                                   | <10      | <10      | 81       | <10      | 98       |
| W935089            |                                   | <10      | <10      | 83       | <10      | 96       |
| W935090            |                                   | <10      | <10      | 4        | <10      | 3        |
| W935091            |                                   | <10      | <10      | 62       | <10      | 58       |
| W935092            |                                   | <10      | <10      | 75       | <10      | 80       |
| W935093            |                                   | <10      | <10      | 85       | 10       | 60       |
| W935094            |                                   | <10      | <10      | 74       | <10      | 79       |
| W935095            |                                   | <10      | <10      | 85       | <10      | 77       |
| W935096            |                                   | <10      | <10      | 85       | <10      | 75       |
| W935097            |                                   | <10      | <10      | 84       | <10      | 80       |
| W935098            |                                   | <10      | <10      | 90       | <10      | 78       |
| W935099            |                                   | <10      | <10      | 90       | <10      | 81       |
| W935100            |                                   |          |          |          |          |          |
| W935101            |                                   | <10      | <10      | 86       | <10      | 85       |
| W935102            |                                   | <10      | <10      | 81       | <10      | 93       |



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 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064068**

| Sample Description | Method Analyte Units LOD | WEI-21       | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|--------------------|--------------------------|--------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Recvd Wt. kg | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm |
|                    |                          | 0.02         | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10     |
| W935103            |                          | 1.72         | 0.01    | <0.5     | 6.98     | <5       | 2220     | 2.0      | <2       | 3.94     | <0.5     | 20       | 118      | 38       | 3.72     | 20     |
| W935104            |                          | 0.64         | 0.06    | <0.5     | 7.09     | <5       | 1140     | 1.7      | <2       | 3.44     | <0.5     | 17       | 92       | 28       | 3.09     | 20     |
| W935105            |                          | 0.73         | 0.02    | <0.5     | 6.63     | <5       | 1020     | 1.0      | <2       | 3.77     | <0.5     | 20       | 137      | 41       | 3.66     | 20     |
| W935106            |                          | 0.78         | 0.01    | <0.5     | 4.16     | <5       | 50       | 0.9      | <2       | 7.15     | <0.5     | 67       | 1075     | 120      | 6.52     | 20     |
| W935107            |                          | 1.35         | 0.03    | 0.6      | 6.82     | <5       | 2130     | 1.1      | <2       | 3.98     | <0.5     | 14       | 79       | 66       | 3.08     | 20     |
| W935108            |                          | 1.20         | 0.01    | <0.5     | 4.58     | <5       | 20       | 0.8      | <2       | 5.29     | <0.5     | 64       | 1165     | 84       | 6.18     | 10     |
| W935109            |                          | 1.82         | 0.01    | <0.5     | 3.15     | <5       | <10      | 0.6      | <2       | 4.08     | <0.5     | 81       | 1875     | 76       | 7.00     | 10     |
| W935110            |                          | 0.29         | <0.01   | <0.5     | 0.83     | <5       | 10       | <0.5     | <2       | 0.03     | <0.5     | 1        | 18       | 2        | 0.57     | <10    |
| W935111            |                          | 0.73         | 0.03    | 0.5      | 6.87     | 6        | 50       | 1.1      | <2       | 2.15     | <0.5     | 32       | 302      | 39       | 2.76     | 10     |
| W935112            |                          | 1.40         | 0.01    | <0.5     | 2.50     | <5       | <10      | <0.5     | <2       | 2.22     | <0.5     | 87       | 1835     | 26       | 5.89     | 10     |
| W935113            |                          | 1.11         | <0.01   | <0.5     | 2.86     | <5       | <10      | <0.5     | <2       | 4.10     | <0.5     | 92       | 1170     | 73       | 6.69     | 10     |
| W935114            |                          | 1.05         | 0.01    | <0.5     | 4.39     | <5       | <10      | <0.5     | <2       | 5.60     | <0.5     | 88       | 1360     | 90       | 8.39     | 10     |
| W935115            |                          | 1.29         | <0.01   | <0.5     | 4.21     | <5       | <10      | <0.5     | <2       | 5.78     | <0.5     | 90       | 1290     | 90       | 8.23     | 10     |



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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064068**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
|                    |                          | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01 |
| W935103            |                          | 1.33     | 100      | 3.06     | 610      | 1        | 3.91     | 138      | 3050     | 16       | 0.24     | <5       | 9        | 740      | 20       | 0.31 |
| W935104            |                          | 0.83     | 90       | 2.17     | 465      | 15       | 4.61     | 97       | 2200     | 11       | 0.92     | <5       | 7        | 540      | 20       | 0.20 |
| W935105            |                          | 0.23     | 100      | 3.20     | 619      | 3        | 4.53     | 148      | 2690     | 18       | 0.63     | <5       | 9        | 388      | 20       | 0.26 |
| W935106            |                          | 0.03     | 20       | 10.50    | 1445     | <1       | 0.31     | 863      | 440      | 6        | 0.06     | 6        | 22       | 294      | <20      | 0.08 |
| W935107            |                          | 0.22     | 90       | 2.47     | 583      | 11       | 5.02     | 101      | 2590     | 17       | 1.05     | <5       | 8        | 621      | 20       | 0.14 |
| W935108            |                          | 0.04     | 20       | 10.30    | 1150     | 3        | 1.48     | 787      | 520      | 8        | 0.27     | 7        | 19       | 246      | <20      | 0.05 |
| W935109            |                          | 0.01     | 10       | 14.15    | 1120     | 5        | 0.07     | 1175     | 70       | 3        | 0.24     | 9        | 16       | 148      | <20      | 0.01 |
| W935110            |                          | 0.05     | 10       | 0.06     | 24       | <1       | 0.01     | 5        | 40       | 4        | <0.01    | <5       | 1        | 18       | <20      | 0.02 |
| W935111            |                          | 0.07     | 70       | 2.97     | 451      | 41       | 4.84     | 188      | 850      | 23       | 1.32     | 6        | 7        | 379      | <20      | 0.04 |
| W935112            |                          | <0.01    | 10       | 16.60    | 621      | <1       | 0.02     | 1610     | 60       | 3        | 0.22     | 8        | 15       | 81       | <20      | 0.02 |
| W935113            |                          | 0.01     | 10       | 16.15    | 1055     | 1        | 0.02     | 1515     | 100      | 5        | 0.21     | 6        | 18       | 117      | <20      | 0.04 |
| W935114            |                          | 0.23     | 10       | 13.65    | 1435     | 1        | 0.55     | 988      | 130      | 4        | 0.10     | <5       | 27       | 118      | <20      | 0.25 |
| W935115            |                          | 0.11     | 10       | 13.75    | 1370     | <1       | 0.55     | 1055     | 120      | 3        | 0.06     | 9        | 26       | 114      | <20      | 0.24 |



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|                                       |
|---------------------------------------|
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|---------------------------------------|

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61<br>Ti<br>ppm<br>10 | ME-ICP61<br>U<br>ppm<br>10 | ME-ICP61<br>V<br>ppm<br>1 | ME-ICP61<br>W<br>ppm<br>10 | ME-ICP61<br>Zn<br>ppm<br>2 |
|--------------------|-----------------------------------|-----------------------------|----------------------------|---------------------------|----------------------------|----------------------------|
| W935103            |                                   | <10                         | <10                        | 78                        | <10                        | 88                         |
| W935104            |                                   | <10                         | <10                        | 56                        | <10                        | 60                         |
| W935105            |                                   | <10                         | <10                        | 72                        | <10                        | 77                         |
| W935106            |                                   | <10                         | <10                        | 143                       | <10                        | 92                         |
| W935107            |                                   | <10                         | <10                        | 50                        | <10                        | 57                         |
| W935108            |                                   | <10                         | <10                        | 135                       | <10                        | 93                         |
| W935109            |                                   | <10                         | <10                        | 134                       | <10                        | 87                         |
| W935110            |                                   | <10                         | <10                        | 3                         | <10                        | 3                          |
| W935111            |                                   | <10                         | <10                        | 36                        | <10                        | 20                         |
| W935112            |                                   | <10                         | <10                        | 90                        | <10                        | 81                         |
| W935113            |                                   | <10                         | <10                        | 106                       | <10                        | 61                         |
| W935114            |                                   | <10                         | <10                        | 166                       | <10                        | 73                         |
| W935115            |                                   | <10                         | <10                        | 159                       | <10                        | 72                         |



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North Vancouver BC V7H 0A7  
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**CERTIFICATE OF ANALYSIS TM20064068**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
Au-AA26 ME-ICP61

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.  
CRU-31 CRU-QC LOG-21 LOG-23  
PUL-31 PUL-QC SPL-21 WEI-21



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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 Finalized Date: 5-APR-2020  
 Account: GOLHIGH

**QC CERTIFICATE TM20064068**

Project: Golden Perimeter  
 P.O. No.: GP20-02  
 This report is for 213 Drill Core samples submitted to our lab in Timmins, ON, Canada on 13-MAR-2020.  
 The following have access to data associated with this certificate:

|                              |              |              |
|------------------------------|--------------|--------------|
| IAN DUNLOP<br>CONOR MCKINLEY | DARWIN GREEN | NEAL MAGUIRE |
|------------------------------|--------------|--------------|

| SAMPLE PREPARATION |                                 |
|--------------------|---------------------------------|
| ALS CODE           | DESCRIPTION                     |
| WEI-21             | Received Sample Weight          |
| LOG-21             | Sample logging - ClientBarCode  |
| CRU-QC             | Crushing QC Test                |
| PUL-QC             | Pulverizing QC Test             |
| CRU-31             | Fine crushing - 70% <2mm        |
| SPL-21             | Split sample - riffle splitter  |
| PUL-31             | Pulverize up to 250g 85% <75 um |
| LOG-23             | Pulp Login - Rcvd with Barcode  |

| ANALYTICAL PROCEDURES |                               |            |
|-----------------------|-------------------------------|------------|
| ALS CODE              | DESCRIPTION                   | INSTRUMENT |
| ME-ICP61              | 33 element four acid ICP-AES  | ICP-AES    |
| Au-AA26               | Ore Grade Au 50g FA AA finish | AAS        |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:   
 Saa Traxler, General Manager, North Vancouver



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

Page: 2 - A  
 Total # Pages: 7 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 5-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064068**

| Sample Description         | Method Analyte Units LOD | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|----------------------------|--------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                            |                          | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K %  |
|                            |                          | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       | 0.01 |
| <b>STANDARDS</b>           |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| CDN-CM-34                  |                          |         | 4.0      | 6.35     | 104      | 480      | 1.0      | 7        | 2.03     | 1.2      | 42       | 240      | 5760     | 4.55     | 20       | 2.74 |
| CDN-CM-34                  |                          |         | 3.9      | 6.97     | 110      | 550      | 1.1      | 2        | 2.21     | 1.0      | 46       | 267      | 5990     | 5.09     | 20       | 2.99 |
| CDN-CM-34                  |                          |         | 3.6      | 6.64     | 92       | 510      | 1.0      | 12       | 2.19     | 1.2      | 42       | 240      | 5740     | 4.93     | 20       | 2.94 |
| Target Range - Lower Bound |                          |         | 2.5      | 5.88     | 90       | 430      | <0.5     | <2       | 1.83     | <0.5     | 37       | 217      | 5370     | 4.26     | <10      | 2.51 |
| Upper Bound                |                          |         | 4.9      | 7.21     | 122      | 610      | 2.1      | 8        | 2.25     | 2.0      | 47       | 267      | 6190     | 5.23     | 40       | 3.09 |
| EMOG-17                    |                          |         | 65.6     | 4.57     | 577      | 190      | 1.8      | 13       | 1.85     | 19.9     | 736      | 55       | 8350     | 4.68     | 10       | 1.63 |
| EMOG-17                    |                          |         | 70.7     | 4.84     | 604      | 420      | 1.9      | <2       | 1.98     | 21.2     | 789      | 61       | 8350     | 5.09     | 10       | 1.74 |
| Target Range - Lower Bound |                          |         | 60.4     | 4.18     | 517      | 930      | 0.7      | <2       | 1.72     | 17.7     | 685      | 49       | 7740     | 4.42     | <10      | 1.49 |
| Upper Bound                |                          |         | 75.0     | 5.13     | 643      | 1290     | 2.9      | 10       | 2.12     | 22.7     | 839      | 62       | 8910     | 5.42     | 30       | 1.85 |
| G313-5                     |                          | 7.25    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G313-5                     |                          | 7.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 6.64    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 7.50    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G917-1                     |                          | 49.0    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G917-1                     |                          | 49.5    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 45.5    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 51.3    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| KIP-19                     |                          | 2.49    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| KIP-19                     |                          | 2.50    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 2.27    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 2.59    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| MRGeo08                    |                          | 4.6     | 7.39     | 34       | 1080     | 3.2      | 4        | 2.56     | 2.1      | 20       | 90       | 620      | 3.81     | 20       | 3.11     |      |
| MRGeo08                    |                          | 4.6     | 7.14     | 31       | 1130     | 3.2      | <2       | 2.72     | 2.3      | 20       | 95       | 627      | 3.97     | 20       | 3.28     |      |
| MRGeo08                    |                          | 4.8     | 7.20     | 33       | 1120     | 3.3      | <2       | 2.64     | 2.1      | 22       | 94       | 655      | 3.90     | 20       | 3.23     |      |
| MRGeo08                    |                          | 4.6     | 7.49     | 42       | 1180     | 3.3      | <2       | 2.86     | 2.3      | 22       | 95       | 665      | 4.18     | 20       | 3.37     |      |
| MRGeo08                    |                          | 4.6     | 7.42     | 34       | 1130     | 3.4      | <2       | 2.72     | 2.3      | 20       | 93       | 636      | 4.04     | 20       | 3.16     |      |
| Target Range - Lower Bound |                          | 3.2     | 6.64     | 21       | 920      | 2.2      | <2       | 2.35     | 1.1      | 17       | 81       | 586      | 3.55     | <10      | 2.79     |      |
| Upper Bound                |                          | 5.6     | 8.14     | 45       | 1270     | 4.5      | 5        | 2.90     | 3.4      | 23       | 102      | 676      | 4.37     | 40       | 3.43     |      |
| OREAS 602                  |                          | >100    | 4.18     | 651      | 190      | 0.7      | 57       | 0.59     | 24.5     | 10       | 36       | 5030     | 2.04     | 20       | 0.65     |      |
| OREAS 602                  |                          | >100    | 4.30     | 683      | 440      | 0.8      | 64       | 0.63     | 25.1     | 10       | 38       | 5040     | 2.15     | 20       | 0.69     |      |
| OREAS 602                  |                          | >100    | 4.43     | 717      | 170      | 0.8      | 62       | 0.61     | 25.8     | 10       | 32       | 5260     | 2.15     | 20       | 0.68     |      |
| OREAS 602                  |                          | >100    | 4.37     | 693      | 210      | 0.8      | 61       | 0.66     | 25.6     | 10       | 34       | 5190     | 2.22     | 20       | 0.70     |      |
| OREAS 602                  |                          | >100    | 4.45     | 679      | 480      | 0.8      | 62       | 0.65     | 26.1     | 11       | 31       | 5210     | 2.23     | 20       | 0.70     |      |
| Target Range - Lower Bound |                          | 107.5   | 3.92     | 579      | 590      | <0.5     | 49       | 0.55     | 21.7     | 7        | 28       | 4790     | 2.01     | <10      | 0.60     |      |
| Upper Bound                |                          | 100.0   | 4.82     | 719      | 830      | 1.8      | 65       | 0.69     | 27.7     | 12       | 36       | 5510     | 2.47     | 40       | 0.76     |      |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Total # Pages: 7 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 5-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064068**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|----------------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                            |                          | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti %     | Tl ppm |
|                            |                          | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01     | 10     |
| <b>STANDARDS</b>           |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| CDN-CM-34                  |                          | 10       | 3.48     | 436      | 282      | 0.71     | 244      | 1230     | 21       | 2.97     | 6        | 16       | 216      | <20      | 0.49     | <10    |
| CDN-CM-34                  |                          | 20       | 3.90     | 474      | 305      | 0.79     | 262      | 1340     | 28       | 3.20     | 7        | 17       | 237      | <20      | 0.53     | 10     |
| CDN-CM-34                  |                          | 10       | 3.77     | 436      | 287      | 0.77     | 245      | 1230     | 26       | 2.97     | 6        | 16       | 223      | <20      | 0.51     | <10    |
| Target Range - Lower Bound |                          | <10      | 3.29     | 399      | 269      | 0.66     | 220      | 1110     | 19       | 2.70     | <5       | 14       | 204      | <20      | 0.43     | <10    |
| Upper Bound                |                          | 40       | 4.05     | 499      | 331      | 0.83     | 271      | 1370     | 29       | 3.32     | 17       | 19       | 251      | 40       | 0.55     | 20     |
| EMOG-17                    |                          | 20       | 0.92     | 721      | 1045     | 1.08     | 7510     | 810      | 7250     | 3.20     | 784      | 8        | 202      | <20      | 0.31     | <10    |
| EMOG-17                    |                          | 30       | 0.99     | 768      | 1105     | 1.14     | 7900     | 860      | 7570     | 3.37     | 819      | 8        | 216      | 20       | 0.32     | 10     |
| Target Range - Lower Bound |                          | <10      | 0.86     | 670      | 996      | 0.99     | 6820     | 700      | 6570     | 2.91     | 638      | 6        | 184      | <20      | 0.28     | <10    |
| Upper Bound                |                          | 40       | 1.08     | 830      | 1220     | 1.23     | 8330     | 880      | 8030     | 3.57     | 874      | 10       | 227      | 50       | 0.36     | 20     |
| G313-5                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| G313-5                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| G917-1                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| G917-1                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| KIP-19                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| KIP-19                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| MRGeo08                    |                          | 30       | 1.28     | 543      | 14       | 1.95     | 695      | 1040     | 1100     | 0.30     | 9        | 11       | 302      | 20       | 0.49     | <10    |
| MRGeo08                    |                          | 30       | 1.31     | 571      | 14       | 2.02     | 718      | 1080     | 1110     | 0.31     | <5       | 11       | 317      | 20       | 0.50     | <10    |
| MRGeo08                    |                          | 20       | 1.32     | 571      | 14       | 2.03     | 747      | 1070     | 1125     | 0.31     | <5       | 10       | 321      | 20       | 0.50     | 10     |
| MRGeo08                    |                          | 30       | 1.37     | 600      | 14       | 2.11     | 739      | 1100     | 1165     | 0.32     | 7        | 11       | 325      | 20       | 0.52     | <10    |
| MRGeo08                    |                          | 30       | 1.34     | 580      | 14       | 2.02     | 726      | 1070     | 1120     | 0.31     | <5       | 11       | 307      | 20       | 0.51     | <10    |
| Target Range - Lower Bound |                          | <10      | 1.17     | 497      | 12       | 1.76     | 621      | 930      | 969      | 0.27     | <5       | 10       | 276      | <20      | 0.44     | <10    |
| Upper Bound                |                          | 60       | 1.45     | 619      | 18       | 2.18     | 761      | 1160     | 1190     | 0.35     | 15       | 15       | 340      | 60       | 0.56     | 20     |
| OREAS 602                  |                          | 10       | 0.18     | 219      | 4        | 0.43     | 60       | 550      | 1010     | 2.03     | 81       | 4        | 444      | <20      | 0.21     | <10    |
| OREAS 602                  |                          | 10       | 0.18     | 231      | 4        | 0.44     | 62       | 570      | 1020     | 2.08     | 87       | 4        | 473      | <20      | 0.21     | 10     |
| OREAS 602                  |                          | 10       | 0.21     | 231      | 4        | 0.44     | 64       | 580      | 1065     | 2.15     | 82       | 4        | 475      | <20      | 0.22     | <10    |
| OREAS 602                  |                          | 10       | 0.19     | 238      | 4        | 0.45     | 62       | 570      | 1060     | 2.13     | 89       | 4        | 473      | <20      | 0.22     | <10    |
| OREAS 602                  |                          | 10       | 0.20     | 238      | 5        | 0.45     | 62       | 580      | 1080     | 2.16     | 87       | 4        | 472      | <20      | 0.23     | <10    |
| Target Range - Lower Bound |                          | <10      | 0.17     | 198      | 2        | 0.40     | 53       | 500      | 918      | 1.90     | 61       | 2        | 417      | <20      | 0.18     | <10    |
| Upper Bound                |                          | 40       | 0.23     | 253      | 7        | 0.51     | 67       | 640      | 1125     | 2.34     | 97       | 6        | 511      | 50       | 0.24     | 20     |





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064068**

| Sample Description         | Method<br>Analyte<br>Units<br>LOD | ME-ICP61       | ME-ICP61      | ME-ICP61       | ME-ICP61       |
|----------------------------|-----------------------------------|----------------|---------------|----------------|----------------|
|                            |                                   | U<br>ppm<br>10 | V<br>ppm<br>1 | W<br>ppm<br>10 | Zn<br>ppm<br>2 |
| <b>STANDARDS</b>           |                                   |                |               |                |                |
| CDN-CM-34                  |                                   | <10            | 159           | 20             | 191            |
| CDN-CM-34                  |                                   | <10            | 175           | 30             | 205            |
| CDN-CM-34                  |                                   | <10            | 166           | 20             | 197            |
| Target Range - Lower Bound |                                   | <10            | 149           | <10            | 176            |
| Upper Bound                |                                   | 20             | 184           | 50             | 219            |
| EMOG-17                    |                                   | <10            | 72            | <10            | 7310           |
| EMOG-17                    |                                   | <10            | 76            | <10            | 7690           |
| Target Range - Lower Bound |                                   | <10            | 67            | <10            | 6800           |
| Upper Bound                |                                   | 20             | 84            | 20             | 8320           |
| G313-5                     |                                   |                |               |                |                |
| G313-5                     |                                   |                |               |                |                |
| Target Range - Lower Bound |                                   |                |               |                |                |
| Upper Bound                |                                   |                |               |                |                |
| G917-1                     |                                   |                |               |                |                |
| G917-1                     |                                   |                |               |                |                |
| Target Range - Lower Bound |                                   |                |               |                |                |
| Upper Bound                |                                   |                |               |                |                |
| KIP-19                     |                                   |                |               |                |                |
| KIP-19                     |                                   |                |               |                |                |
| Target Range - Lower Bound |                                   |                |               |                |                |
| Upper Bound                |                                   |                |               |                |                |
| MRGeo08                    |                                   | <10            | 107           | <10            | 785            |
| MRGeo08                    |                                   | <10            | 113           | <10            | 820            |
| MRGeo08                    |                                   | <10            | 112           | <10            | 830            |
| MRGeo08                    |                                   | <10            | 115           | <10            | 862            |
| MRGeo08                    |                                   | <10            | 111           | <10            | 841            |
| Target Range - Lower Bound |                                   | <10            | 97            | <10            | 722            |
| Upper Bound                |                                   | 30             | 121           | 30             | 886            |
| OREAS 602                  |                                   | <10            | 32            | 10             | 3940           |
| OREAS 602                  |                                   | <10            | 33            | 10             | 4070           |
| OREAS 602                  |                                   | <10            | 33            | 10             | 4190           |
| OREAS 602                  |                                   | <10            | 33            | 10             | 4180           |
| OREAS 602                  |                                   | <10            | 34            | <10            | 4240           |
| Target Range - Lower Bound |                                   | <10            | 29            | <10            | 3770           |
| Upper Bound                |                                   | 20             | 37            | 30             | 4610           |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM20064068**

| Sample Description         | Method Analyte Units LOD | Au-AA26<br>Au<br>ppm | ME-ICP61<br>Ag<br>ppm | ME-ICP61<br>Al<br>% | ME-ICP61<br>As<br>ppm | ME-ICP61<br>Ba<br>ppm | ME-ICP61<br>Be<br>ppm | ME-ICP61<br>Bi<br>ppm | ME-ICP61<br>Ca<br>% | ME-ICP61<br>Cd<br>ppm | ME-ICP61<br>Co<br>ppm | ME-ICP61<br>Cr<br>ppm | ME-ICP61<br>Cu<br>ppm | ME-ICP61<br>Fe<br>% | ME-ICP61<br>Ga<br>ppm | ME-ICP61<br>K<br>% |
|----------------------------|--------------------------|----------------------|-----------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|-----------------------|--------------------|
|                            |                          | 0.01                 | 0.5                   | 0.01                | 5                     | 10                    | 0.5                   | 2                     | 0.01                | 0.5                   | 1                     | 1                     | 1                     | 0.01                | 10                    | 0.01               |
| <b>STANDARDS</b>           |                          |                      |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| OxP154                     |                          | 15.70                |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| OxP154                     |                          | 15.65                |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| OxP154                     |                          | 14.80                |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| OxP154                     |                          | 15.05                |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| Target Range - Lower Bound |                          | 14.35                |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| Upper Bound                |                          | 16.20                |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| PMP-18                     |                          | 0.31                 |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| PMP-18                     |                          | 0.32                 |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| PMP-18                     |                          | 0.30                 |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| PMP-18                     |                          | 0.29                 |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| Target Range - Lower Bound |                          | 0.28                 |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| Upper Bound                |                          | 0.34                 |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| <b>BLANKS</b>              |                          |                      |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| BLANK                      |                          | <0.01                |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| BLANK                      |                          | <0.01                |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| BLANK                      |                          | 0.01                 |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| BLANK                      |                          | <0.01                |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| BLANK                      |                          | <0.01                |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| BLANK                      |                          | <0.01                |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| Target Range - Lower Bound |                          | <0.01                |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| Upper Bound                |                          | 0.02                 |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| BLANK                      |                          |                      | <0.5                  | <0.01               | <5                    | <10                   | <0.5                  | <2                    | <0.01               | <0.5                  | <1                    | 1                     | <1                    | <0.01               | <10                   | <0.01              |
| BLANK                      |                          |                      | <0.5                  | <0.01               | <5                    | <10                   | <0.5                  | <2                    | <0.01               | <0.5                  | <1                    | 1                     | <1                    | <0.01               | <10                   | <0.01              |
| BLANK                      |                          |                      | <0.5                  | <0.01               | <5                    | <10                   | <0.5                  | <2                    | <0.01               | <0.5                  | <1                    | 1                     | <1                    | <0.01               | <10                   | <0.01              |
| BLANK                      |                          |                      | <0.5                  | <0.01               | <5                    | <10                   | <0.5                  | <2                    | <0.01               | <0.5                  | <1                    | 1                     | <1                    | <0.01               | <10                   | <0.01              |
| BLANK                      |                          |                      | <0.5                  | <0.01               | <5                    | <10                   | <0.5                  | <2                    | <0.01               | <0.5                  | <1                    | 3                     | <1                    | <0.01               | <10                   | <0.01              |
| BLANK                      |                          |                      | <0.5                  | <0.01               | <5                    | <10                   | <0.5                  | 2                     | <0.01               | <0.5                  | 2                     | <1                    | 2                     | <0.01               | <10                   | <0.01              |
| BLANK                      |                          |                      | <0.5                  | <0.01               | <5                    | <10                   | <0.5                  | 3                     | <0.01               | <0.5                  | <1                    | 1                     | <1                    | <0.01               | <10                   | <0.01              |
| BLANK                      |                          |                      | <0.5                  | <0.01               | <5                    | <10                   | <0.5                  | <2                    | <0.01               | <0.5                  | <1                    | 1                     | 1                     | <0.01               | <10                   | <0.01              |
| Target Range - Lower Bound |                          |                      | <0.5                  | <0.01               | <5                    | <10                   | <0.5                  | <2                    | <0.01               | <0.5                  | <1                    | <1                    | <1                    | <0.01               | <10                   | <0.01              |
| Upper Bound                |                          |                      | 1.0                   | 0.02                | 10                    | 20                    | 1.0                   | 4                     | 0.02                | 1.0                   | 2                     | 2                     | 2                     | 0.02                | 20                    | 0.02               |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064068**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|----------------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                            |                          | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti %     | Tl ppm |
| <b>STANDARDS</b>           |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| OxP154                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| OxP154                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| OxP154                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| OxP154                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| PMP-18                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| PMP-18                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| PMP-18                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| PMP-18                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| <b>BLANKS</b>              |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| BLANK                      |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| BLANK                      |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| BLANK                      |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| BLANK                      |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| BLANK                      |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| BLANK                      |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| BLANK                      |                          | <10      | <0.01    | <5       | <1       | <0.01    | <1       | <10      | <2       | <0.01    | <5       | <1       | <1       | <20      | <0.01    | <10    |
| BLANK                      |                          | <10      | <0.01    | <5       | <1       | <0.01    | <1       | <10      | <2       | <0.01    | <5       | <1       | <1       | <20      | <0.01    | <10    |
| BLANK                      |                          | <10      | <0.01    | <5       | <1       | <0.01    | <1       | <10      | <2       | <0.01    | <5       | <1       | <1       | <20      | <0.01    | <10    |
| BLANK                      |                          | <10      | <0.01    | <5       | 1        | <0.01    | <1       | <10      | <2       | <0.01    | <5       | <1       | <1       | <20      | <0.01    | <10    |
| BLANK                      |                          | <10      | <0.01    | <5       | <1       | <0.01    | <1       | <10      | <2       | <0.01    | <5       | <1       | 1        | <20      | <0.01    | <10    |
| BLANK                      |                          | <10      | <0.01    | <5       | 2        | <0.01    | 1        | <10      | 2        | <0.01    | <5       | <1       | <1       | <20      | <0.01    | <10    |
| BLANK                      |                          | <10      | <0.01    | <5       | <1       | <0.01    | 1        | <10      | <2       | <0.01    | <5       | <1       | <1       | <20      | <0.01    | <10    |
| BLANK                      |                          | <10      | <0.01    | <5       | <1       | <0.01    | 2        | <10      | <2       | <0.01    | <5       | <1       | <1       | <20      | <0.01    | <10    |
| Target Range - Lower Bound |                          | <10      | <0.01    | <5       | <1       | <0.01    | <1       | <10      | <2       | <0.01    | <5       | <1       | <1       | <20      | <0.01    | <10    |
| Upper Bound                |                          | 20       | 0.02     | 10       | 2        | 0.02     | 2        | 20       | 4        | 0.02     | 10       | 2        | 2        | 40       | 0.02     | 20     |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064068**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 U ppm 10 | ME-ICP61 V ppm 1 | ME-ICP61 W ppm 10 | ME-ICP61 Zn ppm 2 |
|----------------------------|--------------------------|-------------------|------------------|-------------------|-------------------|
| <b>STANDARDS</b>           |                          |                   |                  |                   |                   |
| OxP154                     |                          |                   |                  |                   |                   |
| OxP154                     |                          |                   |                  |                   |                   |
| OxP154                     |                          |                   |                  |                   |                   |
| OxP154                     |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| PMP-18                     |                          |                   |                  |                   |                   |
| PMP-18                     |                          |                   |                  |                   |                   |
| PMP-18                     |                          |                   |                  |                   |                   |
| PMP-18                     |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| <b>BLANKS</b>              |                          |                   |                  |                   |                   |
| BLANK                      |                          |                   |                  |                   |                   |
| BLANK                      |                          |                   |                  |                   |                   |
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| BLANK                      |                          |                   |                  |                   |                   |
| BLANK                      |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | 2                 |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| Target Range - Lower Bound |                          | <10               | <1               | <10               | <2                |
| Upper Bound                |                          | 20                | 2                | 20                | 4                 |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064068**

| Sample Description         | Method Analyte Units LOD | Au-AA26<br>Au<br>ppm<br>0.01 | ME-ICP61<br>Ag<br>ppm<br>0.5 | ME-ICP61<br>Al<br>%<br>0.01 | ME-ICP61<br>As<br>ppm<br>5 | ME-ICP61<br>Ba<br>ppm<br>10 | ME-ICP61<br>Be<br>ppm<br>0.5 | ME-ICP61<br>Bi<br>ppm<br>2 | ME-ICP61<br>Ca<br>%<br>0.01 | ME-ICP61<br>Cd<br>ppm<br>0.5 | ME-ICP61<br>Co<br>ppm<br>1 | ME-ICP61<br>Cr<br>ppm<br>1 | ME-ICP61<br>Cu<br>ppm<br>1 | ME-ICP61<br>Fe<br>%<br>0.01 | ME-ICP61<br>Ga<br>ppm<br>10 | ME-ICP61<br>K<br>%<br>0.01 |
|----------------------------|--------------------------|------------------------------|------------------------------|-----------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|----------------------------|
| <b>DUPLICATES</b>          |                          |                              |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| ORIGINAL                   |                          | 0.26                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | 0.24                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | 0.23                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.27                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| W934908                    |                          | 0.01                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | 0.01                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| W934911                    |                          |                              | <0.5                         | 8.19                        | <5                         | 2490                        | 2.0                          | <2                         | 1.61                        | <0.5                         | 15                         | 40                         | 56                         | 3.56                        | 20                          | 2.58                       |
| DUP                        |                          |                              | <0.5                         | 7.74                        | <5                         | 2320                        | 1.9                          | 2                          | 1.46                        | <0.5                         | 14                         | 36                         | 53                         | 3.31                        | 20                          | 2.43                       |
| Target Range - Lower Bound |                          |                              | <0.5                         | 7.56                        | <5                         | 2210                        | 1.4                          | <2                         | 1.45                        | <0.5                         | 13                         | 35                         | 52                         | 3.25                        | <10                         | 2.37                       |
| Upper Bound                |                          |                              | 1.0                          | 8.37                        | 10                         | 2600                        | 2.5                          | 4                          | 1.62                        | 1.0                          | 16                         | 41                         | 57                         | 3.62                        | 30                          | 2.64                       |
| W934928                    |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | 0.06                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | 0.03                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.05                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| W934948                    |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| W934949                    |                          |                              | <0.5                         | 7.89                        | <5                         | 2770                        | 2.0                          | 2                          | 1.36                        | <0.5                         | 14                         | 35                         | 19                         | 3.19                        | 20                          | 2.21                       |
| DUP                        |                          |                              | <0.5                         | 7.75                        | <5                         | 2790                        | 2.0                          | <2                         | 1.35                        | <0.5                         | 14                         | 34                         | 19                         | 3.22                        | 20                          | 2.21                       |
| Target Range - Lower Bound |                          |                              | <0.5                         | 7.42                        | <5                         | 2560                        | 1.4                          | <2                         | 1.28                        | <0.5                         | 12                         | 32                         | 17                         | 3.03                        | <10                         | 2.09                       |
| Upper Bound                |                          |                              | 1.0                          | 8.22                        | 10                         | 3000                        | 2.6                          | 4                          | 1.43                        | 1.0                          | 16                         | 37                         | 21                         | 3.38                        | 30                          | 2.33                       |
| W934982                    |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| W935002                    |                          | 0.01                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | 0.01                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM20064068**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 La ppm   | ME-ICP61 Mg % | ME-ICP61 Mn ppm | ME-ICP61 Mo ppm | ME-ICP61 Na % | ME-ICP61 Ni ppm | ME-ICP61 P ppm | ME-ICP61 Pb ppm | ME-ICP61 S % | ME-ICP61 Sb ppm | ME-ICP61 Sc ppm | ME-ICP61 Sr ppm | ME-ICP61 Th ppm | ME-ICP61 Ti % | ME-ICP61 Tl ppm |
|----------------------------|--------------------------|-------------------|---------------|-----------------|-----------------|---------------|-----------------|----------------|-----------------|--------------|-----------------|-----------------|-----------------|-----------------|---------------|-----------------|
|                            |                          | 10                | 0.01          | 5               | 1               | 0.01          | 1               | 10             | 2               | 0.01         | 5               | 1               | 1               | 20              | 0.01          | 10              |
| ORIGINAL DUP               |                          | <b>DUPLICATES</b> |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Target Range - Lower Bound |                          |                   |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Upper Bound                |                          |                   |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| W934908 DUP                |                          |                   |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Target Range - Lower Bound |                          |                   |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Upper Bound                |                          |                   |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| W934911 DUP                |                          | 50                | 1.57          | 516             | <1              | 3.58          | 18              | 1530           | 33              | 0.03         | <5              | 10              | 1120            | 20              | 0.26          | 10              |
| Target Range - Lower Bound |                          | 50                | 1.47          | 481             | <1              | 3.41          | 19              | 1420           | 28              | 0.02         | <5              | 10              | 1065            | 20              | 0.25          | <10             |
| Upper Bound                |                          | 40                | 1.43          | 469             | <1              | 3.31          | 17              | 1390           | 27              | <0.01        | <5              | 9               | 1035            | <20             | 0.23          | <10             |
|                            |                          | 60                | 1.61          | 528             | 2               | 3.68          | 20              | 1560           | 34              | 0.04         | 10              | 12              | 1150            | 40              | 0.28          | 20              |
| W934928 DUP                |                          |                   |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Target Range - Lower Bound |                          |                   |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Upper Bound                |                          |                   |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| W934948 DUP                |                          |                   |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Target Range - Lower Bound |                          |                   |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Upper Bound                |                          |                   |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| W934949 DUP                |                          | 50                | 1.08          | 550             | <1              | 3.56          | 17              | 1410           | 37              | 0.17         | <5              | 9               | 775             | 20              | 0.21          | <10             |
| Target Range - Lower Bound |                          | 50                | 1.09          | 555             | 1               | 3.55          | 15              | 1430           | 42              | 0.16         | <5              | 9               | 772             | 20              | 0.21          | <10             |
| Upper Bound                |                          | 40                | 1.02          | 520             | <1              | 3.37          | 14              | 1340           | 36              | 0.15         | <5              | 8               | 734             | <20             | 0.19          | <10             |
|                            |                          | 60                | 1.15          | 585             | 2               | 3.74          | 18              | 1500           | 43              | 0.18         | 10              | 10              | 813             | 40              | 0.23          | 20              |
| W934982 DUP                |                          |                   |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Target Range - Lower Bound |                          |                   |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Upper Bound                |                          |                   |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| W935002 DUP                |                          |                   |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Target Range - Lower Bound |                          |                   |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Upper Bound                |                          |                   |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064068**

| Sample Description                                           | Method Analyte Units LOD | ME-ICP61 U ppm 10       | ME-ICP61 V ppm 1     | ME-ICP61 W ppm 10       | ME-ICP61 Zn ppm 2    |
|--------------------------------------------------------------|--------------------------|-------------------------|----------------------|-------------------------|----------------------|
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | <b>DUPLICATES</b>       |                      |                         |                      |
| W934908<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                         |                      |                         |                      |
| W934911<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | <10<br><10<br><10<br>20 | 92<br>86<br>84<br>94 | <10<br><10<br><10<br>20 | 77<br>72<br>69<br>80 |
| W934928<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                         |                      |                         |                      |
| W934948<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                         |                      |                         |                      |
| W934949<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | <10<br><10<br><10<br>20 | 82<br>81<br>76<br>87 | <10<br><10<br><10<br>20 | 73<br>73<br>67<br>79 |
| W934982<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                         |                      |                         |                      |
| W935002<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                         |                      |                         |                      |



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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064068**

| Sample Description         | Method Analyte Units LOD | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |       |
|----------------------------|--------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------|
|                            |                          | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K %   |
|                            |                          | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       | 0.01  |
| <b>DUPLICATES</b>          |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| W935006                    |                          |         | <0.5     | 7.47     | <5       | 2290     | 2.4      | <2       | 2.32     | <0.5     | 11       | 48       | 118      | 2.69     | 20       | 2.88  |
| DUP                        |                          |         | <0.5     | 7.06     | <5       | 2190     | 2.4      | <2       | 2.26     | <0.5     | 11       | 45       | 114      | 2.55     | 20       | 2.78  |
| Target Range - Lower Bound |                          |         | <0.5     | 6.89     | <5       | 2060     | 1.8      | <2       | 2.17     | <0.5     | 9        | 43       | 111      | 2.48     | <10      | 2.68  |
| Upper Bound                |                          |         | 1.0      | 7.64     | 10       | 2420     | 3.0      | 4        | 2.41     | 1.0      | 13       | 50       | 121      | 2.76     | 30       | 2.98  |
| W935034                    |                          | 0.07    |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| DUP                        |                          | 0.04    |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| Target Range - Lower Bound |                          | 0.04    |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| Upper Bound                |                          | 0.07    |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| W935043                    |                          |         | <0.5     | 3.49     | <5       | 70       | <0.5     | <2       | 4.02     | 1.1      | 95       | 1580     | 61       | 7.63     | 10       | 0.03  |
| DUP                        |                          |         | <0.5     | 3.47     | <5       | 70       | <0.5     | <2       | 3.92     | 0.9      | 94       | 1520     | 58       | 7.59     | 10       | 0.03  |
| Target Range - Lower Bound |                          |         | <0.5     | 3.30     | <5       | 50       | <0.5     | <2       | 3.76     | <0.5     | 89       | 1470     | 56       | 7.22     | <10      | 0.02  |
| Upper Bound                |                          |         | 1.0      | 3.66     | 10       | 90       | 1.0      | 4        | 4.18     | 1.6      | 100      | 1630     | 63       | 8.00     | 20       | 0.04  |
| W935054                    |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| DUP                        |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| W935071                    |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| DUP                        |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| W935072                    |                          |         | <0.5     | 2.15     | <5       | 10       | <0.5     | 6        | 4.80     | 0.5      | 85       | 1150     | 28       | 6.07     | 10       | 0.01  |
| DUP                        |                          |         | <0.5     | 2.18     | <5       | 10       | <0.5     | 5        | 4.89     | 0.6      | 87       | 1270     | 30       | 6.15     | 10       | 0.02  |
| Target Range - Lower Bound |                          |         | <0.5     | 2.05     | <5       | <10      | <0.5     | 3        | 4.59     | <0.5     | 81       | 1150     | 27       | 5.79     | <10      | <0.01 |
| Upper Bound                |                          |         | 1.0      | 2.28     | 10       | 20       | 1.0      | 8        | 5.10     | 1.0      | 91       | 1270     | 31       | 6.43     | 20       | 0.02  |
| W935095                    |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| DUP                        |                          | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| W935098                    |                          |         | 0.6      | 7.03     | <5       | 1920     | 2.6      | 2        | 4.37     | <0.5     | 22       | 91       | 56       | 3.77     | 20       | 2.32  |
| DUP                        |                          |         | <0.5     | 7.04     | <5       | 1920     | 2.6      | 2        | 4.37     | <0.5     | 22       | 88       | 57       | 3.75     | 20       | 2.32  |
| Target Range - Lower Bound |                          |         | <0.5     | 6.67     | <5       | 1770     | 2.0      | <2       | 4.14     | <0.5     | 20       | 84       | 54       | 3.56     | <10      | 2.19  |
| Upper Bound                |                          |         | 1.0      | 7.40     | 10       | 2070     | 3.2      | 4        | 4.60     | 1.0      | 24       | 95       | 59       | 3.96     | 30       | 2.45  |





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064068**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|----------------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                            |                          | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti %     | Tl ppm |
|                            |                          | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01     | 10     |
| <b>DUPLICATES</b>          |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W935006                    |                          | 40       | 1.58     | 504      | <1       | 3.30     | 24       | 1140     | 15       | 0.55     | <5       | 8        | 498      | <20      | 0.19     | <10    |
| DUP                        |                          | 30       | 1.51     | 485      | 1        | 3.13     | 23       | 1100     | 15       | 0.52     | <5       | 7        | 478      | <20      | 0.19     | <10    |
| Target Range - Lower Bound |                          | 20       | 1.46     | 465      | <1       | 3.04     | 21       | 1050     | 12       | 0.50     | <5       | 6        | 463      | <20      | 0.17     | <10    |
| Upper Bound                |                          | 50       | 1.63     | 524      | 2        | 3.39     | 26       | 1190     | 18       | 0.57     | 10       | 9        | 513      | 40       | 0.21     | 20     |
| W935034                    |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W935043                    |                          | <10      | 13.50    | 1155     | <1       | 0.01     | 1115     | 100      | <2       | 0.02     | <5       | 22       | 87       | <20      | 0.09     | <10    |
| DUP                        |                          | <10      | 13.25    | 1130     | <1       | 0.01     | 1115     | 90       | 2        | 0.01     | <5       | 22       | 88       | <20      | 0.10     | <10    |
| Target Range - Lower Bound |                          | <10      | 12.70    | 1080     | <1       | <0.01    | 1060     | 80       | <2       | <0.01    | <5       | 20       | 82       | <20      | 0.08     | <10    |
| Upper Bound                |                          | 20       | 14.05    | 1205     | 2        | 0.02     | 1170     | 110      | 4        | 0.02     | 10       | 24       | 93       | 40       | 0.11     | 20     |
| W935054                    |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W935071                    |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W935072                    |                          | <10      | 16.35    | 1110     | <1       | 0.02     | 1505     | 60       | 5        | <0.01    | <5       | 14       | 95       | <20      | 0.06     | <10    |
| DUP                        |                          | <10      | 16.60    | 1150     | <1       | 0.02     | 1515     | 70       | 3        | <0.01    | <5       | 14       | 97       | <20      | 0.08     | <10    |
| Target Range - Lower Bound |                          | <10      | 15.65    | 1070     | <1       | <0.01    | 1435     | 50       | <2       | <0.01    | <5       | 12       | 90       | <20      | 0.06     | <10    |
| Upper Bound                |                          | 20       | 17.30    | 1190     | 2        | 0.03     | 1585     | 80       | 6        | 0.02     | 10       | 16       | 102      | 40       | 0.08     | 20     |
| W935095                    |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W935098                    |                          | 110      | 2.69     | 618      | 1        | 2.76     | 109      | 2910     | 20       | 1.11     | <5       | 10       | 548      | 20       | 0.34     | <10    |
| DUP                        |                          | 110      | 2.68     | 627      | 1        | 2.76     | 108      | 2900     | 21       | 1.12     | <5       | 10       | 543      | <20      | 0.34     | <10    |
| Target Range - Lower Bound |                          | 90       | 2.54     | 586      | <1       | 2.61     | 102      | 2750     | 17       | 1.05     | <5       | 9        | 517      | <20      | 0.31     | <10    |
| Upper Bound                |                          | 130      | 2.83     | 659      | 2        | 2.91     | 115      | 3060     | 24       | 1.18     | 10       | 12       | 574      | 40       | 0.37     | 20     |



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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|                                              |
|----------------------------------------------|
| <b>QC CERTIFICATE OF ANALYSIS TM20064068</b> |
|----------------------------------------------|

| Sample Description         | Method Analyte Units LOD | ME-ICP61 U ppm 10 | ME-ICP61 V ppm 1 | ME-ICP61 W ppm 10 | ME-ICP61 Zn ppm 2 |
|----------------------------|--------------------------|-------------------|------------------|-------------------|-------------------|
| <b>DUPLICATES</b>          |                          |                   |                  |                   |                   |
| W935006                    |                          | <10               | 71               | <10               | 53                |
| DUP                        |                          | <10               | 67               | <10               | 51                |
| Target Range - Lower Bound |                          | <10               | 65               | <10               | 47                |
| Upper Bound                |                          | 20                | 73               | 20                | 57                |
| W935034                    |                          |                   |                  |                   |                   |
| DUP                        |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| W935043                    |                          | <10               | 140              | <10               | 65                |
| DUP                        |                          | <10               | 137              | <10               | 63                |
| Target Range - Lower Bound |                          | <10               | 131              | <10               | 59                |
| Upper Bound                |                          | 20                | 146              | 20                | 69                |
| W935054                    |                          |                   |                  |                   |                   |
| DUP                        |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| W935071                    |                          |                   |                  |                   |                   |
| DUP                        |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| W935072                    |                          | <10               | 90               | <10               | 58                |
| DUP                        |                          | <10               | 92               | <10               | 55                |
| Target Range - Lower Bound |                          | <10               | 85               | <10               | 52                |
| Upper Bound                |                          | 20                | 97               | 20                | 61                |
| W935095                    |                          |                   |                  |                   |                   |
| DUP                        |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| W935098                    |                          | <10               | 90               | <10               | 78                |
| DUP                        |                          | <10               | 89               | <10               | 78                |
| Target Range - Lower Bound |                          | <10               | 84               | <10               | 72                |
| Upper Bound                |                          | 20                | 95               | 20                | 84                |



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 North Vancouver BC V7H 0A7  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064068**

| Sample Description         | Method Analyte Units LOD | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|----------------------------|--------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                            |                          | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K %  |
|                            |                          | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       | 0.01 |
| <b>DUPLICATES</b>          |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935110                    |                          |         | <0.5     | 0.83     | <5       | 10       | <0.5     | <2       | 0.03     | <0.5     | 1        | 18       | 2        | 0.57     | <10      | 0.05 |
| DUP                        |                          |         | <0.5     | 0.81     | 5        | 10       | <0.5     | <2       | 0.03     | <0.5     | <1       | 15       | 2        | 0.55     | <10      | 0.04 |
| Target Range - Lower Bound |                          |         | <0.5     | 0.77     | <5       | <10      | <0.5     | <2       | 0.02     | <0.5     | <1       | 15       | <1       | 0.52     | <10      | 0.03 |
| Upper Bound                |                          |         | 1.0      | 0.87     | 10       | 20       | 1.0      | 4        | 0.04     | 1.0      | 2        | 18       | 3        | 0.60     | 20       | 0.06 |
| ORIGINAL                   |                          | 0.24    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | 0.23    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 0.21    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.26    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| ORIGINAL                   |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| ORIGINAL                   |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| ORIGINAL                   |                          | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| ORIGINAL                   |                          | 7.80    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | 7.82    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 7.41    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 8.21    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| ORIGINAL                   |                          | 0.48    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | 0.49    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 0.45    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.52    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| ORIGINAL                   |                          | 1.6     | 6.03     | 28       | 1360     | 1.8      | <2       | 6.43     | <0.5     | 18       | 124      | 86       | 3.70     | 20       | 1.85     |      |
| DUP                        |                          | 1.7     | 5.86     | 30       | 1320     | 1.8      | <2       | 6.19     | <0.5     | 18       | 124      | 87       | 3.61     | 20       | 1.79     |      |
| Target Range - Lower Bound |                          | 1.1     | 5.64     | 23       | 1230     | 1.2      | <2       | 5.98     | <0.5     | 16       | 117      | 82       | 3.46     | <10      | 1.72     |      |
| Upper Bound                |                          | 2.2     | 6.25     | 35       | 1450     | 2.4      | 4        | 6.64     | 1.0      | 20       | 131      | 91       | 3.85     | 30       | 1.92     |      |



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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064068**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|----------------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                            |                          | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti %     | Tl ppm |
|                            |                          | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01     | 10     |
| <b>DUPLICATES</b>          |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W935110                    |                          | 10       | 0.06     | 24       | <1       | 0.01     | 5        | 40       | 4        | <0.01    | <5       | 1        | 18       | <20      | 0.02     | <10    |
| DUP                        |                          | 10       | 0.03     | 23       | <1       | 0.01     | 4        | 40       | 3        | <0.01    | <5       | 1        | 17       | <20      | 0.02     | <10    |
| Target Range - Lower Bound |                          | <10      | 0.03     | 17       | <1       | <0.01    | 3        | 30       | <2       | <0.01    | <5       | <1       | 16       | <20      | <0.01    | <10    |
| Upper Bound                |                          | 20       | 0.06     | 30       | 2        | 0.02     | 6        | 50       | 4        | 0.02     | 10       | 2        | 19       | 40       | 0.03     | 20     |
| ORIGINAL                   |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| ORIGINAL                   |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| ORIGINAL                   |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| ORIGINAL                   |                          | 20       | 1.49     | 1470     | 2        | 0.18     | 92       | 910      | 16       | 1.03     | 6        | 17       | 159      | <20      | 0.43     | <10    |
| DUP                        |                          | 20       | 1.44     | 1415     | 2        | 0.17     | 88       | 890      | 19       | 1.05     | <5       | 16       | 156      | <20      | 0.43     | 10     |
| Target Range - Lower Bound |                          | <10      | 1.38     | 1365     | <1       | 0.16     | 85       | 850      | 15       | 0.98     | <5       | 15       | 149      | <20      | 0.40     | <10    |
| Upper Bound                |                          | 30       | 1.55     | 1520     | 3        | 0.19     | 96       | 960      | 20       | 1.10     | 10       | 18       | 166      | 40       | 0.46     | 20     |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064068**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 U ppm 10 | ME-ICP61 V ppm 1 | ME-ICP61 W ppm 10 | ME-ICP61 Zn ppm 2 |
|----------------------------|--------------------------|-------------------|------------------|-------------------|-------------------|
| <b>DUPLICATES</b>          |                          |                   |                  |                   |                   |
| W935110                    |                          | <10               | 3                | <10               | 3                 |
| DUP                        |                          | <10               | 3                | <10               | 2                 |
| Target Range - Lower Bound |                          | <10               | 2                | <10               | <2                |
| Upper Bound                |                          | 20                | 4                | 20                | 4                 |
| ORIGINAL                   |                          |                   |                  |                   |                   |
| DUP                        |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| ORIGINAL                   |                          |                   |                  |                   |                   |
| DUP                        |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| ORIGINAL                   |                          |                   |                  |                   |                   |
| DUP                        |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| ORIGINAL                   |                          |                   |                  |                   |                   |
| DUP                        |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| ORIGINAL                   |                          | <10               | 155              | <10               | 176               |
| DUP                        |                          | <10               | 150              | <10               | 164               |
| Target Range - Lower Bound |                          | <10               | 144              | <10               | 160               |
| Upper Bound                |                          | 20                | 161              | 20                | 181               |



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| <b>QC CERTIFICATE OF ANALYSIS</b> | <b>TM20064068</b> |
|-----------------------------------|-------------------|

| Sample Description | Method<br>Analyte<br>Units<br>LOD | Au-AA26<br>Au<br>ppm<br>0.01 | ME-ICP61<br>Ag<br>ppm<br>0.5 | ME-ICP61<br>Al<br>%<br>0.01 | ME-ICP61<br>As<br>ppm<br>5 | ME-ICP61<br>Ba<br>ppm<br>10 | ME-ICP61<br>Be<br>ppm<br>0.5 | ME-ICP61<br>Bi<br>ppm<br>2 | ME-ICP61<br>Ca<br>%<br>0.01 | ME-ICP61<br>Cd<br>ppm<br>0.5 | ME-ICP61<br>Co<br>ppm<br>1 | ME-ICP61<br>Cr<br>ppm<br>1 | ME-ICP61<br>Cu<br>ppm<br>1 | ME-ICP61<br>Fe<br>%<br>0.01 | ME-ICP61<br>Ga<br>ppm<br>10 | ME-ICP61<br>K<br>%<br>0.01 |
|--------------------|-----------------------------------|------------------------------|------------------------------|-----------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|----------------------------|
|                    |                                   | <b>PREP DUPLICATES</b>       |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| W934968            |                                   | 0.15                         | <0.5                         | 6.86                        | <5                         | 2530                        | 2.2                          | <2                         | 2.53                        | <0.5                         | 12                         | 42                         | 155                        | 2.38                        | 20                          | 2.94                       |
| W934968 PREP DUP   |                                   | 0.26                         | <0.5                         | 7.05                        | <5                         | 2700                        | 2.3                          | <2                         | 2.80                        | <0.5                         | 12                         | 57                         | 160                        | 2.65                        | 20                          | 3.22                       |
| W935026            |                                   | 0.17                         | <0.5                         | 6.46                        | <5                         | 2680                        | 2.7                          | <2                         | 3.09                        | <0.5                         | 12                         | 47                         | 26                         | 2.56                        | 20                          | 2.79                       |
| W935026 PREP DUP   |                                   | 0.15                         | <0.5                         | 7.04                        | <5                         | 2540                        | 2.7                          | <2                         | 3.31                        | <0.5                         | 13                         | 53                         | 27                         | 2.68                        | 20                          | 2.90                       |
| W935087            |                                   | <0.01                        | <0.5                         | 3.52                        | <5                         | 40                          | <0.5                         | 5                          | 4.59                        | <0.5                         | 84                         | 1270                       | 40                         | 7.02                        | 10                          | 0.03                       |
| W935087 PREP DUP   |                                   | 0.01                         | <0.5                         | 3.51                        | <5                         | 50                          | <0.5                         | <2                         | 4.52                        | <0.5                         | 82                         | 1190                       | 40                         | 6.87                        | 10                          | 0.03                       |



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**QC CERTIFICATE OF ANALYSIS TM20064068**

| Sample Description | Method Analyte Units LOD | ME-ICP61               | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|--------------------|--------------------------|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | La ppm                 | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti %     | Tl ppm |
|                    |                          | 10                     | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01     | 10     |
|                    |                          | <b>PREP DUPLICATES</b> |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W934968            |                          | 30                     | 1.13     | 552      | 1        | 2.85     | 18       | 1060     | 23       | 0.70     | <5       | 7        | 357      | <20      | 0.18     | <10    |
| W934968 PREP DUP   |                          | 30                     | 1.32     | 602      | <1       | 3.08     | 27       | 1100     | 25       | 0.74     | 7        | 7        | 387      | <20      | 0.19     | <10    |
| W935026            |                          | 30                     | 1.34     | 621      | <1       | 2.76     | 21       | 1080     | 15       | 0.70     | <5       | 7        | 323      | <20      | 0.19     | <10    |
| W935026 PREP DUP   |                          | 30                     | 1.48     | 656      | <1       | 2.84     | 27       | 1060     | 13       | 0.69     | <5       | 8        | 345      | <20      | 0.20     | <10    |
| W935087            |                          | <10                    | 14.05    | 1130     | <1       | 0.35     | 1205     | 230      | 5        | 0.01     | <5       | 21       | 110      | <20      | 0.07     | <10    |
| W935087 PREP DUP   |                          | 10                     | 13.45    | 1160     | 1        | 0.37     | 1185     | 250      | 2        | 0.02     | <5       | 20       | 117      | <20      | 0.05     | <10    |

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| <b>QC CERTIFICATE OF ANALYSIS</b> | <b>TM20064068</b> |
|-----------------------------------|-------------------|

| Sample Description          | Method Analyte Units LOD | ME-ICP61 U ppm | ME-ICP61 V ppm | ME-ICP61 W ppm | ME-ICP61 Zn ppm |
|-----------------------------|--------------------------|----------------|----------------|----------------|-----------------|
|                             |                          | 10             | 1              | 10             | 2               |
|                             | <b>PREP DUPLICATES</b>   |                |                |                |                 |
| W934968<br>W934968 PREP DUP |                          | <10            | 64             | 10             | 46              |
|                             |                          | <10            | 69             | <10            | 49              |
| W935026<br>W935026 PREP DUP |                          | <10            | 75             | 10             | 54              |
|                             |                          | <10            | 75             | 10             | 54              |
| W935087<br>W935087 PREP DUP |                          | <10            | 123            | <10            | 65              |
|                             |                          | <10            | 122            | <10            | 66              |





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**QC CERTIFICATE OF ANALYSIS TM20064068**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
 Au-AA26 ME-ICP61

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.  
 CRU-31 CRU-QC LOG-23  
 PUL-31 PUL-QC SPL-21 WEI-21



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**CERTIFICATE TM20065121**

Project: Golden Perimeter

This report is for 8 Drill Core samples submitted to our lab in Timmins, ON, Canada on 19-MAR-2020.

The following have access to data associated with this certificate:

|                              |              |              |
|------------------------------|--------------|--------------|
| IAN DUNLOP<br>CONOR MCKINLEY | DARWIN GREEN | NEAL MAGUIRE |
|------------------------------|--------------|--------------|

| SAMPLE PREPARATION |                               |
|--------------------|-------------------------------|
| ALS CODE           | DESCRIPTION                   |
| FND-02             | Find Sample for Addn Analysis |

| ANALYTICAL PROCEDURES |                                 |            |
|-----------------------|---------------------------------|------------|
| ALS CODE              | DESCRIPTION                     | INSTRUMENT |
| ME-XRF26              | Whole Rock By Fusion/XRF        | XRF        |
| OA-GRA05x             | LOI for XRF                     | WST-SEQ    |
| ME-MS42               | Up to 34 elements by ICP-MS     | ICP-MS     |
| S-IR08                | Total Sulphur (IR Spectroscopy) | LECO       |
| C-IR07                | Total Carbon (IR Spectroscopy)  | LECO       |
| ME-MS81               | Lithium Borate Fusion ICP-MS    | ICP-MS     |
| ME-4ACD81             | Base Metals by 4-acid dig.      | ICP-AES    |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:   
 Saa Traxler, General Manager, North Vancouver



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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20065121**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-XRF26   | ME-XRF26 | ME-XRF26 | ME-XRF26   | ME-XRF26   | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26  | ME-XRF26  | ME-XRF26  | ME-XRF26 | ME-XRF26  | ME-XRF26                   | ME-XRF26   |
|--------------------|-----------------------------------|------------|----------|----------|------------|------------|----------|----------|----------|-----------|-----------|-----------|----------|-----------|----------------------------|------------|
|                    |                                   | Al2O3<br>% | BaO<br>% | CaO<br>% | Cr2O3<br>% | Fe2O3<br>% | K2O<br>% | MgO<br>% | MnO<br>% | Na2O<br>% | P2O5<br>% | SiO2<br>% | SrO<br>% | TiO2<br>% | OA-GRA05x<br>LOI 1000<br>% | Total<br>% |
| W934912            |                                   | 16.00      | 0.28     | 3.17     | 0.01       | 5.04       | 3.12     | 2.65     | 0.08     | 4.96      | 0.33      | 62.73     | 0.16     | 0.43      | 0.92                       | 99.99      |
| W934959            |                                   | 15.14      | 0.27     | 3.46     | 0.01       | 4.49       | 2.92     | 2.11     | 0.09     | 4.74      | 0.29      | 59.47     | 0.06     | 0.41      | 5.25                       | 100.15     |
| W934995            |                                   | 5.36       | 0.01     | 6.47     | 0.27       | 8.83       | 0.34     | 19.75    | 0.15     | <0.01     | 0.02      | 37.37     | 0.01     | 0.26      | 20.89                      | 99.90      |
| W935039            |                                   | 5.33       | 0.03     | 5.22     | 0.30       | 9.49       | 0.02     | 25.4     | 0.14     | 0.01      | 0.02      | 38.05     | 0.01     | 0.26      | 15.66                      | 100.20     |
| W935076            |                                   | 5.66       | <0.01    | 4.23     | 0.31       | 10.44      | 0.09     | 25.0     | 0.14     | 0.04      | 0.02      | 41.15     | 0.01     | 0.31      | 11.82                      | 99.43      |
| W935091            |                                   | 13.36      | 0.34     | 5.19     | 0.02       | 4.99       | 1.67     | 3.71     | 0.08     | 5.67      | 0.64      | 55.30     | 0.07     | 0.67      | 6.97                       | 101.55     |
| W935113            |                                   | 5.08       | 0.01     | 5.57     | 0.27       | 9.20       | 0.01     | 25.1     | 0.14     | 0.02      | 0.02      | 39.57     | 0.01     | 0.26      | 13.64                      | 99.60      |
| W935115            |                                   | 7.77       | 0.01     | 8.00     | 0.33       | 11.48      | 0.13     | 21.8     | 0.19     | 0.71      | 0.03      | 39.91     | 0.01     | 0.40      | 9.12                       | 100.20     |



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**CERTIFICATE OF ANALYSIS TM20065121**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81          | ME-MS81          | ME-MS81         | ME-MS81           | ME-MS81           | ME-MS81           | ME-MS81           | ME-MS81          | ME-MS81           | ME-MS81        | ME-MS81          | ME-MS81           | ME-MS81          | ME-MS81           |                  |
|--------------------|-----------------------------------|------------------|------------------|-----------------|-------------------|-------------------|-------------------|-------------------|------------------|-------------------|----------------|------------------|-------------------|------------------|-------------------|------------------|
|                    |                                   | Ba<br>ppm<br>0.5 | Ce<br>ppm<br>0.1 | Cr<br>ppm<br>10 | Cs<br>ppm<br>0.01 | Dy<br>ppm<br>0.05 | Er<br>ppm<br>0.03 | Eu<br>ppm<br>0.02 | Ga<br>ppm<br>0.1 | Gd<br>ppm<br>0.05 | Ge<br>ppm<br>5 | Hf<br>ppm<br>0.1 | Ho<br>ppm<br>0.01 | La<br>ppm<br>0.1 | Lu<br>ppm<br>0.01 | Nb<br>ppm<br>0.1 |
| W934912            |                                   | 2610             | 121.0            | 50              | 0.49              | 2.85              | 1.46              | 2.00              | 22.9             | 5.36              | <5             | 4.1              | 0.51              | 62.9             | 0.19              | 5.3              |
| W934959            |                                   | 2490             | 115.0            | 50              | 0.89              | 2.83              | 1.36              | 1.79              | 21.3             | 5.37              | <5             | 4.1              | 0.50              | 60.7             | 0.21              | 5.4              |
| W934995            |                                   | 54.2             | 1.8              | 1990            | 1.48              | 1.00              | 0.74              | 0.19              | 7.8              | 0.90              | <5             | 0.4              | 0.21              | 0.8              | 0.09              | 0.6              |
| W935039            |                                   | 185.5            | 1.1              | 2140            | 0.27              | 1.14              | 0.74              | 0.17              | 6.5              | 0.74              | <5             | 0.4              | 0.21              | 0.6              | 0.09              | 0.4              |
| W935076            |                                   | 2.4              | 1.4              | 2290            | 1.24              | 1.29              | 0.86              | 0.18              | 7.7              | 0.86              | <5             | 0.5              | 0.26              | 0.5              | 0.11              | 0.4              |
| W935091            |                                   | 3300             | 227              | 120             | 0.68              | 4.53              | 1.62              | 3.82              | 19.7             | 10.20             | <5             | 6.9              | 0.67              | 108.5            | 0.21              | 9.3              |
| W935113            |                                   | 0.9              | 1.7              | 1990            | 0.17              | 1.20              | 0.80              | 0.24              | 6.5              | 0.96              | <5             | 0.4              | 0.25              | 0.6              | 0.11              | 0.4              |
| W935115            |                                   | 1.6              | 2.2              | 2300            | 1.89              | 1.79              | 1.15              | 0.26              | 8.7              | 1.44              | <5             | 0.6              | 0.38              | 0.8              | 0.15              | 0.6              |



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**CERTIFICATE OF ANALYSIS TM20065121**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81          | ME-MS81           | ME-MS81          | ME-MS81           | ME-MS81        | ME-MS81          | ME-MS81          | ME-MS81           | ME-MS81           | ME-MS81           | ME-MS81          | ME-MS81       | ME-MS81       | ME-MS81         |                   |
|--------------------|-----------------------------------|------------------|-------------------|------------------|-------------------|----------------|------------------|------------------|-------------------|-------------------|-------------------|------------------|---------------|---------------|-----------------|-------------------|
|                    |                                   | Nd<br>ppm<br>0.1 | Pr<br>ppm<br>0.02 | Rb<br>ppm<br>0.2 | Sm<br>ppm<br>0.03 | Sn<br>ppm<br>1 | Sr<br>ppm<br>0.1 | Ta<br>ppm<br>0.1 | Tb<br>ppm<br>0.01 | Th<br>ppm<br>0.05 | Tm<br>ppm<br>0.01 | U<br>ppm<br>0.05 | V<br>ppm<br>5 | W<br>ppm<br>1 | Y<br>ppm<br>0.1 | Yb<br>ppm<br>0.03 |
| W934912            |                                   | 51.9             | 13.95             | 57.6             | 8.57              | 1              | 1445             | 0.3              | 0.63              | 11.80             | 0.22              | 2.15             | 103           | 1             | 13.9            | 1.18              |
| W934959            |                                   | 48.5             | 13.10             | 72.3             | 8.64              | 1              | 476              | 0.3              | 0.61              | 11.85             | 0.18              | 2.06             | 94            | 3             | 13.1            | 1.22              |
| W934995            |                                   | 1.7              | 0.26              | 16.8             | 0.58              | <1             | 98.0             | <0.1             | 0.16              | 0.11              | 0.11              | 0.26             | 124           | 1             | 5.8             | 0.64              |
| W935039            |                                   | 1.2              | 0.17              | 1.0              | 0.46              | <1             | 88.2             | <0.1             | 0.15              | <0.05             | 0.08              | <0.05            | 115           | 1             | 5.8             | 0.67              |
| W935076            |                                   | 1.5              | 0.25              | 4.9              | 0.55              | <1             | 60.3             | <0.1             | 0.19              | <0.05             | 0.13              | <0.05            | 124           | 1             | 6.7             | 0.71              |
| W935091            |                                   | 103.5            | 27.8              | 39.9             | 17.55             | 1              | 585              | 0.4              | 1.02              | 11.00             | 0.26              | 2.80             | 80            | 4             | 17.3            | 1.26              |
| W935113            |                                   | 1.5              | 0.29              | 0.3              | 0.50              | <1             | 100.5            | <0.1             | 0.16              | <0.05             | 0.10              | <0.05            | 110           | 2             | 5.9             | 0.67              |
| W935115            |                                   | 2.3              | 0.39              | 6.0              | 0.76              | <1             | 96.0             | <0.1             | 0.26              | 0.05              | 0.15              | <0.05            | 164           | 1             | 9.4             | 1.07              |



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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20065121**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 |
|--------------------|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|---------|---------|
|                    |                                   | Zr      | Ag        | Cd        | Co        | Cu        | Li        | Mo        | Ni        | Pb        | Sc        | Zn        | As      | Bi      | Hg      | In      |
|                    |                                   | ppm     | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm     | ppm     | ppm     | ppm     |
|                    |                                   | 2       | 0.5       | 0.5       | 1         | 1         | 10        | 1         | 1         | 2         | 1         | 2         | 0.1     | 0.01    | 0.005   | 0.005   |
| W934912            |                                   | 166     | <0.5      | <0.5      | 13        | 14        | 10        | <1        | 20        | 29        | 9         | 67        | 0.4     | 0.06    | <0.005  | 0.011   |
| W934959            |                                   | 155     | <0.5      | <0.5      | 13        | 64        | 10        | <1        | 18        | 21        | 9         | 58        | 0.3     | 0.27    | <0.005  | 0.018   |
| W934995            |                                   | 13      | <0.5      | <0.5      | 81        | 34        | 30        | <1        | 1155      | 7         | 20        | 75        | 0.1     | 0.08    | <0.005  | 0.025   |
| W935039            |                                   | 13      | <0.5      | <0.5      | 89        | 37        | 10        | <1        | 1430      | 4         | 18        | 64        | 0.2     | 0.05    | <0.005  | 0.020   |
| W935076            |                                   | 16      | <0.5      | <0.5      | 95        | 50        | 20        | <1        | 1370      | 5         | 21        | 59        | 0.2     | 0.02    | <0.005  | 0.021   |
| W935091            |                                   | 293     | <0.5      | <0.5      | 17        | 181       | 10        | 1         | 87        | 9         | 9         | 61        | 0.2     | 0.78    | <0.005  | 0.024   |
| W935113            |                                   | 14      | <0.5      | <0.5      | 92        | 65        | 10        | 1         | 1480      | 3         | 18        | 59        | 0.4     | 0.06    | <0.005  | 0.021   |
| W935115            |                                   | 19      | <0.5      | <0.5      | 87        | 91        | 20        | <1        | 1020      | 3         | 25        | 68        | 2.1     | 0.01    | <0.005  | 0.015   |



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**CERTIFICATE OF ANALYSIS TM20065121**

| Sample Description | Method  | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 | S-IR08 | C-IR07 |
|--------------------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
|                    | Analyte | Re      | Sb      | Sc      | Se      | Te      | Tl      | S      | C      |
| Units              |         | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | %      | %      |
| LOD                |         | 0.001   | 0.05    | 0.1     | 0.2     | 0.01    | 0.02    | 0.01   | 0.01   |
| W934912            |         | <0.001  | <0.05   | 3.2     | <0.2    | 0.01    | 0.05    | 0.01   | <0.01  |
| W934959            |         | <0.001  | <0.05   | 5.3     | 0.4     | 0.07    | 0.06    | 0.54   | 1.25   |
| W934995            |         | <0.001  | <0.05   | 19.8    | 0.3     | 0.03    | 0.18    | 0.01   | 4.82   |
| W935039            |         | <0.001  | <0.05   | 18.5    | 0.2     | 0.04    | <0.02   | 0.01   | 2.94   |
| W935076            |         | <0.001  | <0.05   | 9.1     | 0.3     | 0.01    | 0.04    | <0.01  | 1.72   |
| W935091            |         | <0.001  | 0.05    | 5.3     | 0.4     | 0.10    | 0.07    | 1.07   | 1.88   |
| W935113            |         | <0.001  | 0.11    | 16.1    | 0.4     | 0.04    | <0.02   | 0.19   | 2.51   |
| W935115            |         | 0.001   | 0.13    | 2.3     | 0.4     | 0.01    | 0.04    | 0.06   | 0.93   |



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**CERTIFICATE OF ANALYSIS TM20065121**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
C-IR07 FND-02 ME-4ACD81  
ME-MS81 ME-XRF26 OA-GRA05x

ME-MS42  
S-IR08





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**QC CERTIFICATE TM20065121**

Project: Golden Perimeter

This report is for 8 Drill Core samples submitted to our lab in Timmins, ON, Canada on 19-MAR-2020.

The following have access to data associated with this certificate:

|                |              |              |
|----------------|--------------|--------------|
| IAN DUNLOP     | DARWIN GREEN | NEAL MAGUIRE |
| CONOR MCKINLEY |              |              |

| SAMPLE PREPARATION |                               |
|--------------------|-------------------------------|
| ALS CODE           | DESCRIPTION                   |
| FND-02             | Find Sample for Addn Analysis |

| ANALYTICAL PROCEDURES |                                 |            |
|-----------------------|---------------------------------|------------|
| ALS CODE              | DESCRIPTION                     | INSTRUMENT |
| ME-XRF26              | Whole Rock By Fusion/XRF        | XRF        |
| OA-GRA05x             | LOI for XRF                     | WST-SEQ    |
| ME-MS42               | Up to 34 elements by ICP-MS     | ICP-MS     |
| S-IR08                | Total Sulphur (IR Spectroscopy) | LECO       |
| C-IR07                | Total Carbon (IR Spectroscopy)  | LECO       |
| ME-MS81               | Lithium Borate Fusion ICP-MS    | ICP-MS     |
| ME-4ACD81             | Base Metals by 4-acid dig.      | ICP-AES    |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

**Signature:**   
 Saa Traxler, General Manager, North Vancouver



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**QC CERTIFICATE OF ANALYSIS TM20065121**

| Method Analyte Units LOD   | ME-XRF26 Al2O3 % | ME-XRF26 BaO % | ME-XRF26 CaO % | ME-XRF26 Cr2O3 % | ME-XRF26 Fe2O3 % | ME-XRF26 K2O % | ME-XRF26 MgO % | ME-XRF26 MnO % | ME-XRF26 Na2O % | ME-XRF26 P2O5 % | ME-XRF26 SiO2 % | ME-XRF26 SrO % | ME-XRF26 TiO2 % | OA-GRA05x LOI 1000 % | ME-XRF26 Total % |
|----------------------------|------------------|----------------|----------------|------------------|------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------------|------------------|
| Sample Description         | 0.01             | 0.01           | 0.01           | 0.01             | 0.01             | 0.01           | 0.01           | 0.01           | 0.01            | 0.01            | 0.01            | 0.01           | 0.01            | 0.01                 | 0.01             |
| <b>STANDARDS</b>           |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| AMIS0304                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| AMIS0343                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| AMIS0461                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 38.52                |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 36.66                |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 40.54                |                  |
| DS-1                       |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| EMOG-17                    |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| GS310-10                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| GS313-8                    |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| MA-1b                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| MRGeo08                    |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 146                  |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 146                  |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 218                  | 13.41            | 0.03           | 10.05          | 0.03             | 12.04            | 0.23           | 7.14           | 0.19           | 2.94            | 0.10            | 48.92           | 0.01           | 1.12            |                      | 96.72            |
| Target Range - Lower Bound | 13.04            | <0.01          | 9.73           | <0.01            | 11.63            | 0.20           | 6.81           | 0.16           | 2.75            | 0.07            | 48.02           | <0.01          | 1.04            |                      | <0.01            |
| Upper Bound                | 13.96            | 0.04           | 10.45          | 0.05             | 12.47            | 0.26           | 7.39           | 0.22           | 3.05            | 0.13            | 50.38           | 0.03           | 1.20            |                      | 0.02             |



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**QC CERTIFICATE OF ANALYSIS TM20065121**

| Sample Description         | Method Analyte Units LOD | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |        |
|----------------------------|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
|                            |                          | Ba ppm  | Ce ppm  | Cr ppm  | Cs ppm  | Dy ppm  | Er ppm  | Eu ppm  | Ga ppm  | Gd ppm  | Ge ppm  | Hf ppm  | Ho ppm  | La ppm  | Lu ppm  | Nb ppm |
|                            |                          | 0.5     | 0.1     | 10      | 0.01    | 0.05    | 0.03    | 0.02    | 0.1     | 0.05    | 5       | 0.1     | 0.01    | 0.1     | 0.1     |        |
| <b>STANDARDS</b>           |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| AMIS0304                   |                          | 2550    | 8370    | 90      | 0.37    | 136.5   | 34.6    | 138.5   | 47.5    | 342     | 6       | 26.0    | 17.55   | 3410    | 1.94    | >2500  |
| Target Range - Lower Bound |                          | 2340    | 7280    | 70      | 0.35    | 119.0   | 30.6    | 135.0   | 47.8    | 309     | <5      | 25.1    | 16.20   | 3250    | 1.84    | 4670   |
| Upper Bound                |                          | 2860    | 8900    | 120     | 0.45    | 145.5   | 37.4    | 165.0   | 58.7    | 377     | 18      | 30.9    | 19.80   | 3970    | 2.27    | >2500  |
| AMIS0343                   |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| AMIS0461                   |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| DS-1                       |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| EMOG-17                    |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| GS310-10                   |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| GS313-8                    |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| MA-1b                      |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| MGeo08                     |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 146                  |                          | >10000  | 4980    | 200     | 0.55    | 239     | 90.1    | 126.5   | 27.7    | 369     | <5      | 4.5     | 37.2    | 2620    | 6.45    | 400    |
| OREAS 146                  |                          | >10000  | 4770    | 170     | 0.51    | 232     | 82.2    | 118.5   | 24.0    | 349     | <5      | 4.1     | 35.8    | 2520    | 6.23    | 394    |
| Target Range - Lower Bound |                          | 11450   | 4220    | 160     | 0.47    | 202     | 78.3    | 114.5   | 26.2    | 323     | <5      | 3.7     | 33.1    | 2260    | 5.66    | 349    |
| Upper Bound                |                          | >10000  | 5160    | 220     | 0.59    | 246     | 95.7    | 139.5   | 32.2    | 395     | 15      | 4.7     | 40.5    | 2760    | 6.94    | 427    |
| OREAS 218                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20065121**

| Sample Description         | Method Analyte Units LOD | ME-MS81 Nd ppm | ME-MS81 Pr ppm | ME-MS81 Rb ppm | ME-MS81 Sm ppm | ME-MS81 Sn ppm | ME-MS81 Sr ppm | ME-MS81 Ta ppm | ME-MS81 Tb ppm | ME-MS81 Th ppm | ME-MS81 Tm ppm | ME-MS81 U ppm | ME-MS81 V ppm | ME-MS81 W ppm | ME-MS81 Y ppm | ME-MS81 Yb ppm |
|----------------------------|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|
| <b>STANDARDS</b>           |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| AMIS0304                   |                          | 4240           | >1000          | 9.8            | 590            | 24             | 3470           | 11.8           | 32.8           | 442            | 3.25           | 22.4          | 351           | 5             | 407           | 16.85          |
| Target Range - Lower Bound |                          | 3610           | 925            | 9.3            | 543            | 22             | 3060           | 11.1           | 30.8           | 406            | 3.14           | 21.6          | 331           | 3             | 369           | 15.25          |
| Upper Bound                |                          | 4410           | >1000          | 11.8           | 664            | 29             | 3740           | 13.8           | 37.7           | 496            | 3.86           | 26.5          | 415           | 7             | 451           | 18.75          |
| AMIS0343                   |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| AMIS0461                   |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| DS-1                       |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| EMOG-17                    |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| GS310-10                   |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| GS313-8                    |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| MA-1b                      |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| MGeo08                     |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| OREAS 146                  |                          | 2330           | 587            | 26.0           | 476            | 44             | 3260           | 3.9            | 46.2           | 935            | 10.20          | 2.58          | 164           | 30            | 970           | 54.7           |
| OREAS 146                  |                          | 2260           | 569            | 24.2           | 468            | 43             | 3120           | 3.7            | 44.0           | 925            | 9.38           | 2.53          | 143           | 26            | 913           | 51.0           |
| Target Range - Lower Bound |                          | 1965           | 493            | 23.7           | 397            | 40             | 2790           | 3.6            | 42.5           | 813            | 8.90           | 2.37          | 140           | 25            | 814           | 48.1           |
| Upper Bound                |                          | 2400           | 603            | 29.5           | 485            | 52             | 3410           | 4.6            | 51.9           | 993            | 10.90          | 3.01          | 182           | 33            | 996           | 58.9           |
| OREAS 218                  |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |               |               |               |               |                |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20065121**

| Sample Description         | Method | Analyte | Units | LOD | ME-MS81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 |
|----------------------------|--------|---------|-------|-----|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|---------|---------|
|                            |        |         |       |     | Zr      | Ag        | Cd        | Co        | Cu        | Li        | Mo        | Ni        | Pb        | Sc        | Zn        | As      | Bi      | Hg      | In      |
|                            |        |         |       |     | ppm     | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm     | ppm     | ppm     | ppm     |
|                            |        |         |       |     | 2       | 0.5       | 0.5       | 1         | 1         | 10        | 1         | 1         | 2         | 1         | 2         | 0.1     | 0.01    | 0.005   | 0.005   |
| <b>STANDARDS</b>           |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| AMIS0304                   |        |         |       |     | 1160    |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |        |         |       |     | 1005    |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |        |         |       |     | 1230    |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| AMIS0343                   |        |         |       |     | <0.5    | <0.5      | 2         | 53        | 7150      | 3         | 15        | 5         | <1        | 80        |           |         |         |         |         |
| Target Range - Lower Bound |        |         |       |     | <0.5    | <0.5      | <1        | 47        | 6300      | <1        | 11        | <2        | <1        | 70        |           |         |         |         |         |
| Upper Bound                |        |         |       |     | 1.1     | 1.0       | 5         | 56        | 7730      | 6         | 17        | 10        | 2         | 90        |           |         |         |         |         |
| AMIS0461                   |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| DS-1                       |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| EMOG-17                    |        |         |       |     | 68.6    | 20.2      | 759       | 8340      | 30        | 1065      | 7660      | 7480      | 8         | 7450      |           |         |         |         |         |
| Target Range - Lower Bound |        |         |       |     | 60.4    | 17.7      | 685       | 7740      | <10       | 996       | 6820      | 6570      | 6         | 6800      |           |         |         |         |         |
| Upper Bound                |        |         |       |     | 75.0    | 22.7      | 839       | 8910      | 50        | 1220      | 8330      | 8030      | 10        | 8320      |           |         |         |         |         |
| GS310-10                   |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| GS313-8                    |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| MA-1b                      |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| MGeo08                     |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           | 35.4    | 0.63    | 0.061   | 0.160   |
| Target Range - Lower Bound |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           | 29.6    | 0.58    | 0.045   | 0.137   |
| Upper Bound                |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           | 36.4    | 0.73    | 0.077   | 0.179   |
| OREAS 146                  |        |         |       |     | 253     |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| OREAS 146                  |        |         |       |     | 217     |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |        |         |       |     | 204     |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |        |         |       |     | 254     |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| OREAS 218                  |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM20065121**

| Sample Description         | Method Analyte Units LOD | ME-MS42<br>Re<br>ppm<br>0.001 | ME-MS42<br>Sb<br>ppm<br>0.05 | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02 | S-IR08<br>S<br>%<br>0.01 | C-IR07<br>C<br>%<br>0.01 |
|----------------------------|--------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------|--------------------------|
| <b>STANDARDS</b>           |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| AMIS0304                   |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| AMIS0343                   |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| AMIS0461                   |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| DS-1                       |                          |                               |                              |                             |                             |                              | 2.66                         | 3.15                     |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              | 2.51                         | 3.01                     |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              | 2.71                         | 3.25                     |                          |
| EMOG-17                    |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| GS310-10                   |                          |                               |                              |                             |                             |                              | 0.25                         | 1.09                     |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              | 0.25                         | 1.03                     |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              | 0.29                         | 1.13                     |                          |
| GS313-8                    |                          |                               |                              |                             |                             |                              | 1.25                         | 0.91                     |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              | 1.19                         | 0.90                     |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              | 1.29                         | 0.98                     |                          |
| MA-1b                      |                          |                               |                              |                             |                             |                              | 1.12                         |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              | 1.12                         |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              | 1.22                         |                          |                          |
| MGeo08                     |                          | 0.007                         | 3.34                         | 7.1                         | 1.0                         | 0.02                         | 0.70                         |                          |                          |
| Target Range - Lower Bound |                          | 0.006                         | 2.80                         | 6.7                         | 0.6                         | <0.01                        | 0.64                         |                          |                          |
| Upper Bound                |                          | 0.010                         | 3.90                         | 8.4                         | 1.5                         | 0.04                         | 0.92                         |                          |                          |
| OREAS 146                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 146                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 218                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM20065121**

| Method Analyte Units LOD   | ME-XRF26 Al2O3 % | ME-XRF26 BaO % | ME-XRF26 CaO % | ME-XRF26 Cr2O3 % | ME-XRF26 Fe2O3 % | ME-XRF26 K2O % | ME-XRF26 MgO % | ME-XRF26 MnO % | ME-XRF26 Na2O % | ME-XRF26 P2O5 % | ME-XRF26 SiO2 % | ME-XRF26 SrO % | ME-XRF26 TiO2 % | OA-GRA05x LOI 1000 % | ME-XRF26 Total % |
|----------------------------|------------------|----------------|----------------|------------------|------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------------|------------------|
| Sample Description         | 0.01             | 0.01           | 0.01           | 0.01             | 0.01             | 0.01           | 0.01           | 0.01           | 0.01            | 0.01            | 0.01            | 0.01           | 0.01            | 0.01                 | 0.01             |
| <b>STANDARDS</b>           |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 220                  | 13.62            | 0.03           | 9.67           | 0.04             | 11.43            | 0.47           | 7.18           | 0.17           | 2.74            | 0.18            | 50.19           | 0.03           | 1.30            |                      | 97.58            |
| Target Range - Lower Bound | 13.12            | <0.01          | 9.28           | 0.02             | 11.00            | 0.42           | 6.92           | 0.14           | 2.60            | 0.15            | 49.10           | <0.01          | 1.19            |                      | <0.01            |
| Upper Bound                | 14.04            | 0.05           | 10.00          | 0.06             | 11.80            | 0.51           | 7.50           | 0.20           | 2.90            | 0.21            | 51.50           | 0.05           | 1.37            |                      | 0.02             |
| OREAS 501b                 |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 920                  |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS-101b                 |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS-45d                  |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| SCH-1                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 2.77                 |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 2.58                 |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 2.88                 |                  |
| SY-4                       |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| <b>BLANKS</b>              |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20065121**

| Method Analyte Units LOD   | ME-MS81 Ba ppm | ME-MS81 Ce ppm | ME-MS81 Cr ppm | ME-MS81 Cs ppm | ME-MS81 Dy ppm | ME-MS81 Er ppm | ME-MS81 Eu ppm | ME-MS81 Ga ppm | ME-MS81 Gd ppm | ME-MS81 Ge ppm | ME-MS81 Hf ppm | ME-MS81 Ho ppm | ME-MS81 La ppm | ME-MS81 Lu ppm | ME-MS81 Nb ppm |
|----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| <b>STANDARDS</b>           |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| OREAS 220                  |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| OREAS 501b                 |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| OREAS 920                  |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| OREAS-101b                 | 184.0          | 1350           | 30             | 2.34           | 31.8           | 19.40          | 7.20           | 27.6           | 34.6           | <5             | 10.3           | 6.35           | 778            | 2.45           | 55.5           |
| Target Range - Lower Bound |                | 1200           |                |                | 28.8           | 16.80          | 6.97           |                | 32.4           |                |                | 5.70           | 710            | 2.31           |                |
| Upper Bound                |                | 1465           |                |                | 35.4           | 20.6           | 8.57           |                | 39.7           |                |                | 6.98           | 868            | 2.85           |                |
| OREAS-45d                  |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| SCH-1                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| SY-4                       | 339            | 115.5          | 20             | 1.48           | 19.65          | 14.95          | 1.66           | 36.9           | 14.70          | <5             | 11.2           | 4.32           | 55.7           | 2.12           | 13.2           |
| SY-4                       | 330            | 118.5          | 10             | 1.41           | 19.95          | 15.60          | 1.88           | 36.8           | 15.20          | <5             | 11.0           | 4.58           | 56.7           | 2.09           | 12.9           |
| Target Range - Lower Bound | 306            | 109.5          | <10            | 1.34           | 16.35          | 12.75          | 1.78           | 33.1           | 12.55          | <5             | 9.9            | 3.86           | 52.1           | 1.88           | 11.6           |
| Upper Bound                | 375            | 134.5          | 30             | 1.66           | 20.1           | 15.65          | 2.22           | 40.7           | 15.45          | 12             | 12.3           | 4.74           | 63.9           | 2.32           | 14.4           |
| <b>BLANKS</b>              |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20065121**

| Sample Description         | Method Analyte Units LOD | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |        |
|----------------------------|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
|                            |                          | Nd ppm  | Pr ppm  | Rb ppm  | Sm ppm  | Sn ppm  | Sr ppm  | Ta ppm  | Tb ppm  | Th ppm  | Tm ppm  | U ppm   | V ppm   | W ppm   | Y ppm   | Yb ppm |
| <b>STANDARDS</b>           |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 220                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 501b                 |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 920                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS-101b                 |                          | 387     | 123.0   | 174.0   | 47.0    | 9       | 20.1    | 2.7     | 5.06    | 34.7    | 2.72    | 402     | 78      | 19      | 161.5   | 17.50  |
| Target Range - Lower Bound |                          | 340     | 114.5   |         | 43.2    |         |         |         | 4.82    | 32.7    | 2.38    | 348     | 66      |         | 160.0   |        |
| Upper Bound                |                          | 416     | 139.5   |         | 52.8    |         |         |         | 5.92    | 40.1    | 2.94    | 426     | 94      |         | 196.0   |        |
| OREAS-45d                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| SCH-1                      |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| SY-4                       |                          | 53.1    | 14.05   | 50.9    | 12.25   | 7       | 1185    | 0.7     | 2.62    | 1.11    | 2.25    | 0.75    | 16      | 1       | 112.5   | 15.65  |
| SY-4                       |                          | 56.4    | 14.80   | 49.8    | 13.55   | 7       | 1225    | 0.7     | 2.73    | 1.15    | 2.23    | 0.66    | 6       | 1       | 113.0   | 15.70  |
| Target Range - Lower Bound |                          | 51.2    | 13.50   | 49.3    | 11.40   | 6       | 1070    | 0.7     | 2.33    | 1.11    | 2.06    | 0.66    | <5      | <1      | 107.0   | 13.30  |
| Upper Bound                |                          | 62.8    | 16.50   | 60.7    | 14.00   | 10      | 1310    | 1.1     | 2.87    | 1.47    | 2.54    | 0.94    | 18      | 3       | 131.0   | 16.30  |
| <b>BLANKS</b>              |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| BLANK                      |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| BLANK                      |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| BLANK                      |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM20065121**

| Sample Description | Method Analyte Units LOD   | ME-MS81<br>Zr<br>ppm<br>2 | ME-4ACD81<br>Ag<br>ppm<br>0.5 | ME-4ACD81<br>Cd<br>ppm<br>0.5 | ME-4ACD81<br>Co<br>ppm<br>1 | ME-4ACD81<br>Cu<br>ppm<br>1 | ME-4ACD81<br>Li<br>ppm<br>10 | ME-4ACD81<br>Mo<br>ppm<br>1 | ME-4ACD81<br>Ni<br>ppm<br>1 | ME-4ACD81<br>Pb<br>ppm<br>2 | ME-4ACD81<br>Sc<br>ppm<br>1 | ME-4ACD81<br>Zn<br>ppm<br>2 | ME-MS42<br>As<br>ppm<br>0.1 | ME-MS42<br>Bi<br>ppm<br>0.01 | ME-MS42<br>Hg<br>ppm<br>0.005 | ME-MS42<br>In<br>ppm<br>0.005 |        |
|--------------------|----------------------------|---------------------------|-------------------------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|--------|
| <b>STANDARDS</b>   |                            |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |        |
| OREAS 220          | Target Range - Lower Bound |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |        |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |        |
| OREAS 501b         | Target Range - Lower Bound |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 27.0                        | 1.43                         | 0.018                         |                               | 0.188  |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 16.9                        | 1.43                         | 0.006                         |                               |        |
| OREAS 920          | Target Range - Lower Bound |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 20.9                        | 1.77                         | 0.030                         |                               |        |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 5.2                         | 0.60                         | <0.005                        |                               | 0.032  |
| OREAS-101b         | Target Range - Lower Bound | 393                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 4.2                         | 0.60                         | <0.005                        |                               | 0.019  |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 5.4                         | 0.76                         | 0.010                         |                               | 0.043  |
| OREAS-45d          | Target Range - Lower Bound |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 6.4                         | 0.26                         | 0.036                         |                               | 0.077  |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 5.8                         | 0.26                         | 0.025                         |                               | 0.071  |
| SCH-1              | Target Range - Lower Bound |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 7.3                         | 0.34                         | 0.053                         |                               | 0.099  |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |        |
| SY-4               | Target Range - Lower Bound | 580                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |        |
|                    | Upper Bound                | 593                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |        |
| SY-4               | Target Range - Lower Bound | 543                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |        |
|                    | Upper Bound                | 668                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |        |
| <b>BLANKS</b>      |                            |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |        |
| BLANK              | Target Range - Lower Bound | <0.5                      | <0.5                          | <1                            | 1                           | <10                         | <1                           | <1                          | <2                          | <1                          | <2                          |                             |                             |                              |                               |                               |        |
|                    | Upper Bound                | 1.0                       | 1.0                           | 2                             | 2                           |                             | 2                            | 2                           | 4                           |                             | 4                           |                             |                             |                              |                               |                               |        |
| BLANK              | Target Range - Lower Bound |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | <0.1                        | <0.01                        | <0.005                        |                               | <0.005 |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 0.2                         | <0.01                        | <0.005                        |                               | <0.005 |
| BLANK              | Target Range - Lower Bound |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | <0.1                        | <0.01                        | <0.005                        |                               | <0.005 |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 0.2                         | 0.02                         | 0.010                         |                               | 0.010  |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM20065121**

| Sample Description         | Method Analyte Units LOD | ME-MS42<br>Re<br>ppm<br>0.001 | ME-MS42<br>Sb<br>ppm<br>0.05 | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02 | S-IR08<br>S<br>%<br>0.01 | C-IR07<br>C<br>%<br>0.01 |
|----------------------------|--------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------|--------------------------|
| <b>STANDARDS</b>           |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 220                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 501b                 |                          | 0.003                         | 0.51                         | 6.7                         | 3.1                         | 0.08                         | 0.60                         |                          |                          |
| Target Range - Lower Bound |                          |                               | 0.34                         | 6.3                         | 2.2                         | 0.05                         | 0.57                         |                          |                          |
| Upper Bound                |                          |                               | 0.64                         | 7.9                         | 3.3                         | 0.10                         | 0.81                         |                          |                          |
| OREAS 920                  |                          | <0.001                        | 0.64                         | 3.2                         | 0.3                         | 0.01                         | 0.16                         |                          |                          |
| Target Range - Lower Bound |                          | <0.001                        | 0.45                         | 2.5                         | <0.2                        | <0.01                        | 0.09                         |                          |                          |
| Upper Bound                |                          | 0.002                         | 0.77                         | 3.3                         | 0.6                         | 0.04                         | 0.20                         |                          |                          |
| OREAS-101b                 |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS-45d                  |                          | <0.001                        | 0.32                         | 44.9                        | 1.1                         | 0.05                         | 0.12                         |                          |                          |
| Target Range - Lower Bound |                          | <0.001                        | 0.22                         | 37.3                        | 0.7                         | 0.02                         | 0.07                         |                          |                          |
| Upper Bound                |                          | 0.003                         | 0.49                         | 45.8                        | 1.7                         | 0.06                         | 0.17                         |                          |                          |
| SCH-1                      |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| SY-4                       |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| <b>BLANKS</b>              |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          | <0.001                        | <0.05                        | <0.1                        | <0.2                        | <0.01                        | <0.02                        |                          |                          |
| BLANK                      |                          | <0.001                        | 0.09                         | <0.1                        | <0.2                        | <0.01                        | <0.02                        |                          |                          |
| Target Range - Lower Bound |                          | <0.001                        | <0.05                        | <0.1                        | <0.2                        | <0.01                        | <0.02                        |                          |                          |
| Upper Bound                |                          | 0.002                         | 0.10                         | 0.2                         | 0.4                         | 0.02                         | 0.04                         |                          |                          |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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**QC CERTIFICATE OF ANALYSIS TM20065121**

| Method Analyte Units LOD   | ME-XRF26 Al2O3 % | ME-XRF26 BaO % | ME-XRF26 CaO % | ME-XRF26 Cr2O3 % | ME-XRF26 Fe2O3 % | ME-XRF26 K2O % | ME-XRF26 MgO % | ME-XRF26 MnO % | ME-XRF26 Na2O % | ME-XRF26 P2O5 % | ME-XRF26 SiO2 % | ME-XRF26 SrO % | ME-XRF26 TiO2 % | OA-GRA05x LOI 1000 % | ME-XRF26 Total % |
|----------------------------|------------------|----------------|----------------|------------------|------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------------|------------------|
| Sample Description         | 0.01             | 0.01           | 0.01           | 0.01             | 0.01             | 0.01           | 0.01           | 0.01           | 0.01            | 0.01            | 0.01            | 0.01           | 0.01            | 0.01                 | 0.01             |
| <b>BLANKS</b>              |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      | 0.01             | <0.01          | <0.01          | <0.01            | <0.01            | <0.01          | <0.01          | <0.01          | <0.01           | <0.01           | 99.93           | <0.01          | <0.01           |                      | 99.94            |
| Target Range - Lower Bound | <0.01            | <0.01          | <0.01          | <0.01            | <0.01            | <0.01          | <0.01          | <0.01          | <0.01           | <0.01           | <0.01           | <0.01          | <0.01           |                      | <0.01            |
| Upper Bound                | 0.02             | 0.02           | 0.02           | 0.02             | 0.02             | 0.02           | 0.02           | 0.02           | 0.02            | 0.02            | 0.02            | 0.02           | 0.02            |                      | 0.02             |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | -0.01            |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | <0.01            |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 0.02             |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| <b>DUPLICATES</b>          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| ORIGINAL                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| DUP                        |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| ORIGINAL                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| DUP                        |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| ORIGINAL                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| DUP                        |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

Page: 4 - B  
 Total # Pages: 5 (A - E)  
 Plus Appendix Pages  
 Finalized Date: 6-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20065121**

| Method Analyte Units LOD   | ME-MS81 Ba ppm | ME-MS81 Ce ppm | ME-MS81 Cr ppm | ME-MS81 Cs ppm | ME-MS81 Dy ppm | ME-MS81 Er ppm | ME-MS81 Eu ppm | ME-MS81 Ga ppm | ME-MS81 Gd ppm | ME-MS81 Ge ppm | ME-MS81 Hf ppm | ME-MS81 Ho ppm | ME-MS81 La ppm | ME-MS81 Lu ppm | ME-MS81 Nb ppm |
|----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Sample Description         | 0.5            | 0.1            | 10             | 0.01           | 0.05           | 0.03           | 0.02           | 0.1            | 0.05           | 5              | 0.1            | 0.01           | 0.1            | 0.01           | 0.1            |
| <b>BLANKS</b>              |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      | 2.4            | <0.1           | 10             | 0.01           | <0.05          | <0.03          | <0.02          | 1.1            | <0.05          | <5             | <0.1           | 0.01           | 0.1            | <0.01          | <0.1           |
| BLANK                      | <0.5           | <0.1           | <10            | <0.01          | <0.05          | <0.03          | <0.02          | <0.1           | <0.05          | <5             | <0.1           | <0.01          | 0.1            | <0.01          | <0.1           |
| BLANK                      | 1.1            | 0.1            | <10            | <0.01          | <0.05          | <0.03          | <0.02          | <0.1           | <0.05          | <5             | 0.1            | <0.01          | 0.1            | <0.01          | <0.1           |
| Target Range - Lower Bound | <0.5           | <0.1           | <10            | <0.01          | <0.05          | <0.03          | <0.02          | <0.1           | <0.05          |                | <0.1           | <0.01          | <0.1           | <0.01          | <0.1           |
| Upper Bound                | 1.0            | 0.2            | 20             | 0.02           | 0.10           | 0.06           | 0.04           | 0.2            | 0.10           |                | 0.2            | 0.02           | 0.2            | 0.02           | 0.2            |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| <b>DUPLICATES</b>          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| ORIGINAL                   | 11.2           | 11.7           | 40             | 0.10           | 3.85           | 2.49           | 0.76           | 9.0            | 3.49           | <5             | 1.9            | 0.84           | 11.2           | 0.31           | 3.9            |
| DUP                        | 11.2           | 11.6           | 40             | 0.08           | 3.62           | 2.45           | 0.74           | 8.8            | 3.50           | <5             | 1.9            | 0.80           | 11.0           | 0.28           | 3.9            |
| Target Range - Lower Bound | 10.1           | 11.0           | 30             | 0.08           | 3.50           | 2.32           | 0.69           | 8.4            | 3.27           | <5             | 1.7            | 0.77           | 10.4           | 0.27           | 3.6            |
| Upper Bound                | 12.3           | 12.3           | 50             | 0.10           | 3.97           | 2.62           | 0.81           | 9.4            | 3.72           | 10             | 2.1            | 0.87           | 11.8           | 0.32           | 4.2            |
| ORIGINAL                   | 4.9            | 3.0            | 10             | 0.04           | 0.43           | 0.25           | 0.18           | 0.5            | 0.42           | 5              | 0.1            | 0.08           | 1.9            | 0.02           | 0.1            |
| DUP                        | 5.7            | 3.3            | 10             | 0.04           | 0.51           | 0.23           | 0.18           | 0.5            | 0.46           | 5              | <0.1           | 0.07           | 2.1            | 0.02           | 0.1            |
| Target Range - Lower Bound | 4.5            | 2.9            | <10            | 0.03           | 0.40           | 0.20           | 0.15           | 0.4            | 0.37           | <5             | <0.1           | 0.06           | 1.8            | <0.01          | <0.1           |
| Upper Bound                | 6.1            | 3.4            | 20             | 0.05           | 0.54           | 0.28           | 0.21           | 0.6            | 0.51           | 10             | 0.2            | 0.09           | 2.2            | 0.03           | 0.2            |
| ORIGINAL                   |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| DUP                        |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| ORIGINAL                   |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| DUP                        |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

Page: 4 - C  
 Total # Pages: 5 (A - E)  
 Plus Appendix Pages  
 Finalized Date: 6-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20065121**

| Method Analyte Units LOD   | ME-MS81 Nd ppm 0.1 | ME-MS81 Pr ppm 0.02 | ME-MS81 Rb ppm 0.2 | ME-MS81 Sm ppm 0.03 | ME-MS81 Sn ppm 1 | ME-MS81 Sr ppm 0.1 | ME-MS81 Ta ppm 0.1 | ME-MS81 Tb ppm 0.01 | ME-MS81 Th ppm 0.05 | ME-MS81 Tm ppm 0.01 | ME-MS81 U ppm 0.05 | ME-MS81 V ppm 5 | ME-MS81 W ppm 1 | ME-MS81 Y ppm 0.1 | ME-MS81 Yb ppm 0.03 |
|----------------------------|--------------------|---------------------|--------------------|---------------------|------------------|--------------------|--------------------|---------------------|---------------------|---------------------|--------------------|-----------------|-----------------|-------------------|---------------------|
| <b>BLANKS</b>              |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| BLANK                      | <0.1               | <0.02               | <0.2               | <0.03               | <1               | 1.0                | <0.1               | 0.01                | <0.05               | <0.01               | <0.05              | <5              | 1               | <0.1              | <0.03               |
| BLANK                      | <0.1               | <0.02               | <0.2               | <0.03               | <1               | 0.1                | <0.1               | <0.01               | <0.05               | <0.01               | <0.05              | 6               | 1               | <0.1              | <0.03               |
| BLANK                      | <0.1               | <0.02               | <0.2               | <0.03               | <1               | <0.1               | <0.1               | <0.01               | <0.05               | <0.01               | <0.05              | <5              | <1              | <0.1              | <0.03               |
| Target Range - Lower Bound | <0.1               | <0.02               | <0.2               | <0.03               | <1               | <0.1               | <0.1               | <0.01               | <0.05               | <0.01               | <0.05              | <5              | <1              | <0.1              | <0.03               |
| Upper Bound                | 0.2                | 0.04                | 0.4                | 0.06                | 2                | 0.2                | 0.2                | 0.02                | 0.10                | 0.02                | 0.10               | 10              | 2               | 0.2               | 0.06                |
| BLANK                      |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| BLANK                      |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| BLANK                      |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| BLANK                      |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| <b>DUPLICATES</b>          |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| ORIGINAL                   | 12.3               | 2.63                | 0.2                | 2.56                | 1                | 8.4                | 0.3                | 0.51                | 3.42                | 0.33                | 0.89               | 117             | 4               | 22.2              | 1.95                |
| DUP                        | 11.7               | 2.50                | 0.2                | 2.40                | 1                | 7.8                | 0.3                | 0.49                | 3.22                | 0.30                | 0.97               | 107             | 3               | 21.9              | 1.87                |
| Target Range - Lower Bound | 11.3               | 2.42                | <0.2               | 2.33                | <1               | 7.6                | 0.2                | 0.47                | 3.10                | 0.29                | 0.83               | 101             | 2               | 20.8              | 1.78                |
| Upper Bound                | 12.7               | 2.71                | 0.4                | 2.63                | 2                | 8.6                | 0.4                | 0.54                | 3.54                | 0.34                | 1.03               | 123             | 5               | 23.3              | 2.04                |
| ORIGINAL                   | 1.3                | 0.35                | 0.3                | 0.43                | <1               | 7.6                | <0.1               | 0.07                | 0.07                | 0.03                | 0.08               | <5              | 1               | 3.3               | 0.21                |
| DUP                        | 1.3                | 0.35                | 0.4                | 0.36                | <1               | 7.6                | <0.1               | 0.07                | 0.09                | 0.02                | 0.10               | 8               | 1               | 3.4               | 0.13                |
| Target Range - Lower Bound | 1.1                | 0.31                | <0.2               | 0.35                | <1               | 7.1                | <0.1               | 0.06                | <0.05               | <0.01               | <0.05              | <5              | <1              | 3.1               | 0.13                |
| Upper Bound                | 1.5                | 0.39                | 0.4                | 0.44                | 2                | 8.1                | 0.2                | 0.08                | 0.10                | 0.04                | 0.10               | 10              | 2               | 3.6               | 0.21                |
| ORIGINAL                   |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| DUP                        |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| ORIGINAL                   |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| DUP                        |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

Page: 4 - D  
 Total # Pages: 5 (A - E)  
 Plus Appendix Pages  
 Finalized Date: 6-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20065121**

| Sample Description         | Method Analyte Units LOD | ME-MS81<br>Zr<br>ppm<br>2 | ME-4ACD81<br>Ag<br>ppm<br>0.5 | ME-4ACD81<br>Cd<br>ppm<br>0.5 | ME-4ACD81<br>Co<br>ppm<br>1 | ME-4ACD81<br>Cu<br>ppm<br>1 | ME-4ACD81<br>Li<br>ppm<br>10 | ME-4ACD81<br>Mo<br>ppm<br>1 | ME-4ACD81<br>Ni<br>ppm<br>1 | ME-4ACD81<br>Pb<br>ppm<br>2 | ME-4ACD81<br>Sc<br>ppm<br>1 | ME-4ACD81<br>Zn<br>ppm<br>2 | ME-MS42<br>As<br>ppm<br>0.1 | ME-MS42<br>Bi<br>ppm<br>0.01 | ME-MS42<br>Hg<br>ppm<br>0.005 | ME-MS42<br>In<br>ppm<br>0.005 |
|----------------------------|--------------------------|---------------------------|-------------------------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|
| <b>BLANKS</b>              |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| BLANK                      |                          | <2                        |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| BLANK                      |                          | <2                        |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| BLANK                      |                          | <2                        |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          | <2                        |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          | 4                         |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| BLANK                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| BLANK                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| BLANK                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| BLANK                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| <b>DUPLICATES</b>          |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| ORIGINAL                   |                          | 69                        |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| DUP                        |                          | 70                        |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          | 64                        |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          | 75                        |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| ORIGINAL                   |                          | <2                        |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| DUP                        |                          | <2                        |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          | <2                        |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          | 4                         |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| ORIGINAL                   |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 57.0                        | 0.76                         | 0.023                         | 0.031                         |
| DUP                        |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 54.7                        | 0.78                         | 0.021                         | 0.031                         |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 53.0                        | 0.72                         | 0.015                         | 0.024                         |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 58.7                        | 0.82                         | 0.029                         | 0.038                         |
| ORIGINAL                   |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 14.0                        | 0.14                         | 0.023                         | 0.022                         |
| DUP                        |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 14.3                        | 0.14                         | 0.020                         | 0.024                         |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 13.3                        | 0.12                         | 0.015                         | 0.017                         |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 15.0                        | 0.16                         | 0.028                         | 0.029                         |



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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20065121**

| Sample Description         | Method | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 | S-IR08 | C-IR07 |
|----------------------------|--------|---------|---------|---------|---------|---------|---------|--------|--------|
| Analyte                    | Units  | Re      | Sb      | Sc      | Se      | Te      | Tl      | S      | C      |
| LOD                        |        | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | %      | %      |
|                            |        | 0.001   | 0.05    | 0.1     | 0.2     | 0.01    | 0.02    | 0.01   | 0.01   |
| <b>BLANKS</b>              |        |         |         |         |         |         |         |        |        |
| BLANK                      |        |         |         |         |         |         |         |        |        |
| BLANK                      |        |         |         |         |         |         |         |        |        |
| BLANK                      |        |         |         |         |         |         |         |        |        |
| Target Range - Lower Bound |        |         |         |         |         |         |         |        |        |
| Upper Bound                |        |         |         |         |         |         |         |        |        |
| BLANK                      |        |         |         |         |         |         |         |        |        |
| Target Range - Lower Bound |        |         |         |         |         |         |         |        |        |
| Upper Bound                |        |         |         |         |         |         |         |        |        |
| BLANK                      |        |         |         |         |         |         |         |        |        |
| Target Range - Lower Bound |        |         |         |         |         |         |         |        |        |
| Upper Bound                |        |         |         |         |         |         |         |        |        |
| BLANK                      |        |         |         |         |         |         |         | <0.01  | <0.01  |
| BLANK                      |        |         |         |         |         |         |         | 0.01   | 0.01   |
| Target Range - Lower Bound |        |         |         |         |         |         |         | <0.01  | <0.01  |
| Upper Bound                |        |         |         |         |         |         |         | 0.02   | 0.02   |
| <b>DUPLICATES</b>          |        |         |         |         |         |         |         |        |        |
| ORIGINAL                   |        |         |         |         |         |         |         |        |        |
| DUP                        |        |         |         |         |         |         |         |        |        |
| Target Range - Lower Bound |        |         |         |         |         |         |         |        |        |
| Upper Bound                |        |         |         |         |         |         |         |        |        |
| ORIGINAL                   |        | <0.001  | 4.70    | 1.6     | 1.0     | 0.23    | 0.03    |        |        |
| DUP                        |        | <0.001  | 4.64    | 1.5     | 1.1     | 0.22    | 0.03    |        |        |
| Target Range - Lower Bound |        | <0.001  | 4.27    | 1.4     | 0.8     | 0.20    | <0.02   |        |        |
| Upper Bound                |        | 0.002   | 5.07    | 1.7     | 1.3     | 0.25    | 0.04    |        |        |
| ORIGINAL                   |        | <0.001  | 2.58    | 3.3     | 0.4     | 0.03    | 0.16    |        |        |
| DUP                        |        | <0.001  | 2.46    | 3.4     | 0.2     | 0.03    | 0.16    |        |        |
| Target Range - Lower Bound |        | <0.001  | 2.28    | 3.1     | <0.2    | 0.02    | 0.13    |        |        |
| Upper Bound                |        | 0.002   | 2.76    | 3.6     | 0.4     | 0.04    | 0.19    |        |        |





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**QC CERTIFICATE OF ANALYSIS TM20065121**

| Method<br>Analyte<br>Units<br>LOD                            | ME-XRF26<br>Al2O3<br>%       | ME-XRF26<br>BaO<br>%          | ME-XRF26<br>CaO<br>%         | ME-XRF26<br>Cr2O3<br>%       | ME-XRF26<br>Fe2O3<br>%           | ME-XRF26<br>K2O<br>%         | ME-XRF26<br>MgO<br>%         | ME-XRF26<br>MnO<br>%         | ME-XRF26<br>Na2O<br>%        | ME-XRF26<br>P2O5<br>%        | ME-XRF26<br>SiO2<br>%            | ME-XRF26<br>SrO<br>%          | ME-XRF26<br>TiO2<br>%        | OA-GRA05x<br>LOI 1000<br>%   | ME-XRF26<br>Total<br>%             |
|--------------------------------------------------------------|------------------------------|-------------------------------|------------------------------|------------------------------|----------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|----------------------------------|-------------------------------|------------------------------|------------------------------|------------------------------------|
| Sample Description                                           | 0.01                         | 0.01                          | 0.01                         | 0.01                         | 0.01                             | 0.01                         | 0.01                         | 0.01                         | 0.01                         | 0.01                         | 0.01                             | 0.01                          | 0.01                         | 0.01                         | 0.01                               |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound | <b>DUPLICATES</b>            |                               |                              |                              |                                  |                              |                              |                              |                              |                              |                                  |                               |                              |                              |                                    |
| W934959<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                              |                               |                              |                              |                                  |                              |                              |                              |                              |                              |                                  |                               |                              |                              |                                    |
| W935115<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  | 7.77<br>7.77<br>7.64<br>7.90 | 0.01<br>0.01<br><0.01<br>0.02 | 8.00<br>7.99<br>7.87<br>8.12 | 0.33<br>0.33<br>0.31<br>0.35 | 11.48<br>11.41<br>11.26<br>11.63 | 0.13<br>0.13<br>0.12<br>0.14 | 21.8<br>21.7<br>21.4<br>22.1 | 0.19<br>0.18<br>0.17<br>0.20 | 0.71<br>0.71<br>0.68<br>0.74 | 0.03<br>0.03<br>0.02<br>0.04 | 39.91<br>39.80<br>39.25<br>40.46 | 0.01<br>0.01<br><0.01<br>0.02 | 0.40<br>0.40<br>0.38<br>0.42 | 9.12<br>9.22<br>8.93<br>9.41 | 100.20<br>99.91<br>99.04<br>101.05 |
|                                                              |                              |                               |                              |                              |                                  |                              |                              |                              |                              |                              |                                  |                               |                              |                              |                                    |

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 2103 Dollarton Hwy  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20065121**

| Sample Description                                           | Method<br>Analyte<br>Units<br>LOD | ME-MS81<br>Ba<br>ppm<br>0.5 | ME-MS81<br>Ce<br>ppm<br>0.1  | ME-MS81<br>Cr<br>ppm<br>10   | ME-MS81<br>Cs<br>ppm<br>0.01 | ME-MS81<br>Dy<br>ppm<br>0.05 | ME-MS81<br>Er<br>ppm<br>0.03 | ME-MS81<br>Eu<br>ppm<br>0.02 | ME-MS81<br>Ga<br>ppm<br>0.1  | ME-MS81<br>Gd<br>ppm<br>0.05 | ME-MS81<br>Ge<br>ppm<br>5 | ME-MS81<br>Hf<br>ppm<br>0.1  | ME-MS81<br>Ho<br>ppm<br>0.01 | ME-MS81<br>La<br>ppm<br>0.1  | ME-MS81<br>Lu<br>ppm<br>0.01 | ME-MS81<br>Nb<br>ppm<br>0.1 |
|--------------------------------------------------------------|-----------------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|---------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound | <b>DUPLICATES</b>                 |                             |                              |                              |                              |                              |                              |                              |                              |                              |                           |                              |                              |                              |                              |                             |
| W934959<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                                   |                             |                              |                              |                              |                              |                              |                              |                              |                              |                           |                              |                              |                              |                              |                             |
| W935115<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  | 1.6<br>4.0<br>2.2<br>3.4          | 2.2<br>2.6<br>2.2<br>2.6    | 2300<br>2290<br>2170<br>2420 | 1.89<br>1.98<br>1.83<br>2.04 | 1.79<br>1.92<br>1.71<br>2.00 | 1.15<br>1.30<br>1.13<br>1.32 | 0.26<br>0.24<br>0.22<br>0.28 | 8.7<br>8.7<br>8.2<br>9.2     | 1.44<br>1.48<br>1.34<br>1.58 | <5<br><5<br><5<br>10         | 0.6<br>0.7<br>0.5<br>0.8  | 0.38<br>0.38<br>0.35<br>0.41 | 0.8<br>1.2<br>0.9<br>1.2     | 0.15<br>0.18<br>0.15<br>0.18 | 0.6<br>0.7<br>0.5<br>0.8     |                             |
|                                                              |                                   |                             |                              |                              |                              |                              |                              |                              |                              |                              |                           |                              |                              |                              |                              |                             |

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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20065121**

| Sample Description                                        | Method Analyte Units LOD | ME-MS81 Nd ppm           | ME-MS81 Pr ppm               | ME-MS81 Rb ppm           | ME-MS81 Sm ppm               | ME-MS81 Sn ppm      | ME-MS81 Sr ppm                | ME-MS81 Ta ppm              | ME-MS81 Tb ppm               | ME-MS81 Th ppm                | ME-MS81 Tm ppm               | ME-MS81 U ppm                   | ME-MS81 V ppm            | ME-MS81 W ppm     | ME-MS81 Y ppm              | ME-MS81 Yb ppm               |
|-----------------------------------------------------------|--------------------------|--------------------------|------------------------------|--------------------------|------------------------------|---------------------|-------------------------------|-----------------------------|------------------------------|-------------------------------|------------------------------|---------------------------------|--------------------------|-------------------|----------------------------|------------------------------|
|                                                           |                          | 0.1                      | 0.02                         | 0.2                      | 0.03                         | 1                   | 0.1                           | 0.1                         | 0.01                         | 0.05                          | 0.01                         | 0.05                            | 5                        | 1                 | 0.1                        | 0.03                         |
| ORIGINAL DUP<br>Target Range - Lower Bound<br>Upper Bound | <b>DUPLICATES</b>        |                          |                              |                          |                              |                     |                               |                             |                              |                               |                              |                                 |                          |                   |                            |                              |
| W934959 DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                          |                              |                          |                              |                     |                               |                             |                              |                               |                              |                                 |                          |                   |                            |                              |
| W935115 DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | 2.3<br>2.0<br>1.9<br>2.4 | 0.39<br>0.41<br>0.36<br>0.44 | 6.0<br>6.4<br>5.7<br>6.7 | 0.76<br>0.86<br>0.74<br>0.88 | <1<br><1<br><1<br>2 | 96.0<br>97.4<br>91.8<br>101.5 | <0.1<br><0.1<br><0.1<br>0.2 | 0.26<br>0.25<br>0.23<br>0.28 | 0.05<br>0.09<br><0.05<br>0.10 | 0.15<br>0.17<br>0.14<br>0.18 | <0.05<br><0.05<br><0.05<br>0.10 | 164<br>155<br>147<br>172 | 1<br>1<br><1<br>2 | 9.4<br>10.1<br>9.2<br>10.3 | 1.07<br>1.18<br>1.04<br>1.21 |
|                                                           |                          |                          |                              |                          |                              |                     |                               |                             |                              |                               |                              |                                 |                          |                   |                            |                              |

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20065121**

| Sample Description                                           | Method Analyte Units LOD | ME-MS81<br>Zr<br>ppm<br>2   | ME-4ACD81<br>Ag<br>ppm<br>0.5 | ME-4ACD81<br>Cd<br>ppm<br>0.5 | ME-4ACD81<br>Co<br>ppm<br>1 | ME-4ACD81<br>Cu<br>ppm<br>1 | ME-4ACD81<br>Li<br>ppm<br>10 | ME-4ACD81<br>Mo<br>ppm<br>1 | ME-4ACD81<br>Ni<br>ppm<br>1 | ME-4ACD81<br>Pb<br>ppm<br>2 | ME-4ACD81<br>Sc<br>ppm<br>1 | ME-4ACD81<br>Zn<br>ppm<br>2 | ME-MS42<br>As<br>ppm<br>0.1 | ME-MS42<br>Bi<br>ppm<br>0.01 | ME-MS42<br>Hg<br>ppm<br>0.005 | ME-MS42<br>In<br>ppm<br>0.005 |
|--------------------------------------------------------------|--------------------------|-----------------------------|-------------------------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound | <b>DUPLICATES</b>        |                             |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| W934959<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | <0.5<br><0.5<br><0.5<br>1.0 | <0.5<br><0.5<br><0.5<br>1.0   | 13<br>12<br>11<br>14          | 64<br>63<br>60<br>67        | 10<br>10<br><10<br>20       | <1<br><1<br><1<br>2          | 18<br>17<br>16<br>19        | 21<br>22<br>18<br>25        | 9<br>8<br>7<br>10           | 58<br>58<br>53<br>63        |                             |                             |                              |                               |                               |
| W935115<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | 19<br>23<br>18<br>24        |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |

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 North Vancouver BC V7H 0A7  
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|                                   |                   |
|-----------------------------------|-------------------|
| <b>QC CERTIFICATE OF ANALYSIS</b> | <b>TM20065121</b> |
|-----------------------------------|-------------------|

| Sample Description                                           | Method Analyte Units LOD | ME-MS42<br>Re<br>ppm<br>0.001 | ME-MS42<br>Sb<br>ppm<br>0.05 | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02 | S-IR08<br>S<br>%<br>0.01     | C-IR07<br>C<br>%<br>0.01     |
|--------------------------------------------------------------|--------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| <b>DUPLICATES</b>                                            |                          |                               |                              |                             |                             |                              |                              |                              |                              |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                               |                              |                             |                             |                              |                              | 0.29<br>0.30<br>0.28<br>0.31 | 0.99<br>0.99<br>0.96<br>1.02 |
| W934959<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                               |                              |                             |                             |                              |                              |                              |                              |
| W935115<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                               |                              |                             |                             |                              |                              | 0.06<br>0.06<br>0.05<br>0.07 | 0.93<br>0.92<br>0.89<br>0.96 |
|                                                              |                          |                               |                              |                             |                             |                              |                              |                              |                              |



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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20065121**

### CERTIFICATE COMMENTS

#### LABORATORY ADDRESSES

|                    |                                                                                        |          |           |         |
|--------------------|----------------------------------------------------------------------------------------|----------|-----------|---------|
| Applies to Method: | Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. |          |           |         |
|                    | C-IR07                                                                                 | FND-02   | ME-4ACD81 | ME-MS42 |
|                    | ME-MS81                                                                                | ME-XRF26 | OA-GRA05x | S-IR08  |



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**CERTIFICATE TM20063008**

Project: Golden Perimeter  
 P.O. No.: GP20-03  
 This report is for 39 Drill Core samples submitted to our lab in Timmins, ON, Canada on 17-MAR-2020.  
 The following have access to data associated with this certificate:

|                              |              |              |
|------------------------------|--------------|--------------|
| IAN DUNLOP<br>CONOR MCKINLEY | DARWIN GREEN | NEAL MAGUIRE |
|------------------------------|--------------|--------------|

| SAMPLE PREPARATION |                                 |
|--------------------|---------------------------------|
| ALS CODE           | DESCRIPTION                     |
| WEI-21             | Received Sample Weight          |
| LOG-21             | Sample logging - ClientBarCode  |
| CRU-QC             | Crushing QC Test                |
| PUL-QC             | Pulverizing QC Test             |
| CRU-31             | Fine crushing - 70% <2mm        |
| SPL-21             | Split sample - riffle splitter  |
| PUL-31             | Pulverize up to 250g 85% <75 um |
| LOG-23             | Pulp Login - Rcvd with Barcode  |

| ANALYTICAL PROCEDURES |                               |            |
|-----------------------|-------------------------------|------------|
| ALS CODE              | DESCRIPTION                   | INSTRUMENT |
| ME-ICP61              | 33 element four acid ICP-AES  | ICP-AES    |
| Au-AA26               | Ore Grade Au 50g FA AA finish | AAS        |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

**Signature:**   
 Saa Traxler, General Manager, North Vancouver



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20063008**

| Sample Description | Method Analyte Units LOD | WEI-21       | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|--------------------------|--------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    |                          | Recvd Wt. kg | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   |
|                    |                          | 0.02         | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 0.01     | 10       |          |
| W935116            |                          | 1.42         | 0.01    | <0.5     | 2.81     | <5       | 10       | <0.5     | 4        | 4.53     | <0.5     | 86       | 1290     | 46       | 6.52     | 10       |
| W935117            |                          | 1.42         | 0.01    | <0.5     | 2.66     | <5       | 10       | <0.5     | 2        | 4.77     | <0.5     | 87       | 1130     | 41       | 6.00     | 10       |
| W935118            |                          | 1.12         | <0.01   | <0.5     | 2.95     | <5       | <10      | <0.5     | 2        | 3.46     | <0.5     | 88       | 1430     | 25       | 6.70     | 10       |
| W935119            |                          | 3.96         | 0.01    | <0.5     | 2.75     | <5       | 20       | <0.5     | <2       | 3.38     | <0.5     | 78       | 1460     | 66       | 5.97     | 10       |
| W935120            |                          | 0.06         | 0.52    |          |          |          |          |          |          |          |          |          |          |          |          |          |
| W935121            |                          | 3.77         | <0.01   | <0.5     | 2.04     | <5       | 10       | <0.5     | 4        | 2.77     | <0.5     | 77       | 1150     | 22       | 5.34     | 10       |
| W935122            |                          | 3.83         | <0.01   | <0.5     | 1.97     | <5       | 110      | <0.5     | 3        | 3.08     | <0.5     | 71       | 1090     | 32       | 5.09     | 10       |
| W935123            |                          | 3.72         | <0.01   | <0.5     | 2.55     | <5       | 40       | <0.5     | 4        | 3.41     | <0.5     | 77       | 1260     | 29       | 5.90     | 10       |
| W935124            |                          | 3.13         | <0.01   | <0.5     | 2.56     | <5       | 10       | <0.5     | 3        | 3.68     | <0.5     | 78       | 1240     | 23       | 5.95     | 10       |
| W935125            |                          | 2.72         | <0.01   | <0.5     | 2.40     | <5       | 20       | <0.5     | 5        | 3.79     | <0.5     | 76       | 1190     | 35       | 5.83     | 10       |
| W935126            |                          | 3.61         | <0.01   | <0.5     | 2.62     | <5       | 10       | <0.5     | 2        | 3.70     | <0.5     | 77       | 1240     | 57       | 5.96     | 10       |
| W935127            |                          | 3.38         | 0.01    | <0.5     | 2.96     | <5       | 10       | <0.5     | 2        | 3.09     | <0.5     | 80       | 1370     | 73       | 6.28     | 10       |
| W935128            |                          | 2.53         | <0.01   | <0.5     | 2.16     | <5       | <10      | <0.5     | 4        | 3.52     | <0.5     | 75       | 1140     | 34       | 5.25     | 10       |
| W935129            |                          | 2.62         | 0.01    | 0.5      | 2.24     | <5       | 20       | <0.5     | 5        | 3.38     | <0.5     | 76       | 1200     | 24       | 5.26     | 10       |
| W935130            |                          | 0.56         | <0.01   | <0.5     | 1.56     | <5       | 130      | <0.5     | <2       | 0.12     | <0.5     | 2        | 24       | 1        | 0.87     | <10      |
| W935131            |                          | 2.65         | 0.01    | <0.5     | 3.63     | <5       | 30       | <0.5     | <2       | 3.29     | <0.5     | 77       | 1440     | 45       | 6.72     | 10       |
| W935132            |                          | 1.21         | 0.01    | <0.5     | 3.53     | <5       | 20       | <0.5     | 4        | 3.43     | <0.5     | 77       | 1530     | 111      | 6.55     | 10       |
| W935133            |                          | 1.29         | 0.01    | <0.5     | 3.54     | <5       | 20       | <0.5     | 3        | 2.99     | <0.5     | 75       | 1550     | 30       | 6.49     | 10       |
| W935134            |                          | 2.71         | <0.01   | <0.5     | 2.86     | <5       | 20       | <0.5     | 4        | 3.39     | <0.5     | 72       | 1290     | 18       | 5.99     | 10       |
| W935135            |                          | 2.75         | <0.01   | <0.5     | 2.49     | <5       | 20       | <0.5     | 3        | 3.42     | <0.5     | 73       | 1180     | 47       | 5.56     | 10       |
| W935136            |                          | 2.42         | <0.01   | <0.5     | 2.83     | <5       | 10       | <0.5     | 3        | 3.62     | <0.5     | 77       | 1280     | 8        | 5.99     | 10       |
| W935137            |                          | 1.42         | <0.01   | <0.5     | 2.96     | <5       | 30       | <0.5     | <2       | 3.86     | <0.5     | 84       | 1240     | 85       | 6.18     | 10       |
| W935138            |                          | 2.52         | <0.01   | <0.5     | 3.28     | <5       | 20       | <0.5     | 5        | 3.53     | <0.5     | 79       | 1270     | 83       | 6.51     | 10       |
| W935139            |                          | 2.52         | <0.01   | <0.5     | 3.22     | <5       | 20       | 0.7      | 3        | 4.43     | <0.5     | 93       | 1690     | 28       | 8.22     | 10       |
| W935140            |                          | 0.05         | 0.51    |          |          |          |          |          |          |          |          |          |          |          |          |          |
| W935141            |                          | 2.57         | <0.01   | <0.5     | 3.90     | <5       | 10       | 0.6      | 3        | 3.69     | <0.5     | 94       | 1670     | 34       | 8.37     | 10       |
| W935142            |                          | 2.52         | 0.01    | <0.5     | 2.56     | <5       | 20       | <0.5     | 3        | 7.81     | <0.5     | 78       | 1220     | 7        | 7.29     | 10       |
| W935143            |                          | 2.74         | 0.02    | <0.5     | 1.98     | <5       | 30       | <0.5     | 5        | 7.84     | 0.5      | 80       | 1120     | 13       | 7.65     | 10       |
| W935144            |                          | 2.71         | <0.01   | <0.5     | 3.23     | <5       | 20       | <0.5     | 4        | 4.92     | <0.5     | 74       | 1280     | 89       | 6.82     | 10       |
| W935145            |                          | 2.51         | <0.01   | <0.5     | 3.60     | <5       | 30       | <0.5     | 2        | 4.96     | <0.5     | 89       | 1570     | 88       | 7.69     | 10       |
| W935146            |                          | 2.55         | 0.01    | <0.5     | 3.13     | <5       | 40       | <0.5     | 3        | 4.90     | <0.5     | 84       | 1290     | 32       | 6.86     | 10       |
| W935147            |                          | 2.48         | 0.02    | <0.5     | 2.94     | <5       | 10       | <0.5     | 3        | 3.48     | <0.5     | 75       | 1150     | 40       | 6.34     | 10       |
| W935148            |                          | 1.26         | <0.01   | <0.5     | 3.09     | <5       | <10      | <0.5     | 6        | 3.79     | <0.5     | 77       | 1310     | 73       | 5.86     | 10       |
| W935149            |                          | 3.45         | <0.01   | <0.5     | 3.31     | <5       | 360      | <0.5     | 7        | 3.13     | <0.5     | 79       | 1140     | 34       | 6.61     | 10       |
| W935150            |                          | 0.55         | <0.01   | <0.5     | 1.34     | <5       | 10       | <0.5     | <2       | 0.04     | <0.5     | 2        | 29       | 1        | 0.88     | <10      |
| W935151            |                          | 1.58         | <0.01   | <0.5     | 5.01     | <5       | 4330     | 0.8      | 4        | 4.40     | <0.5     | 60       | 847      | 8        | 6.78     | 20       |
| W935152            |                          | 1.25         | <0.01   | <0.5     | 6.98     | <5       | 5490     | 1.1      | 4        | 5.09     | <0.5     | 37       | 296      | 15       | 6.08     | 20       |
| W935153            |                          | 1.87         | <0.01   | <0.5     | 6.79     | <5       | 2830     | 1.0      | 2        | 5.59     | 0.6      | 39       | 379      | 10       | 6.07     | 20       |
| W935154            |                          | 3.33         | <0.01   | <0.5     | 2.97     | <5       | 40       | <0.5     | <2       | 3.60     | <0.5     | 87       | 1470     | 29       | 6.92     | 10       |





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20063008**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
|                    |                          | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01 |
| W935116            |                          | 0.01     | <10      | 14.75    | 1245     | <1       | 0.33     | 1385     | 70       | 4        | <0.01    | <5       | 18       | 29       | <20      | 0.07 |
| W935117            |                          | 0.01     | <10      | 14.40    | 1380     | <1       | 0.28     | 1445     | 70       | <2       | 0.04     | <5       | 16       | 26       | <20      | 0.04 |
| W935118            |                          | 0.01     | <10      | 14.75    | 983      | <1       | 0.01     | 1345     | 70       | <2       | 0.01     | <5       | 19       | 35       | <20      | 0.03 |
| W935119            |                          | 0.40     | <10      | 12.35    | 1020     | <1       | 0.43     | 1075     | 70       | 3        | 0.08     | <5       | 18       | 37       | <20      | 0.05 |
| W935120            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935121            |                          | 0.03     | <10      | 14.00    | 854      | <1       | 0.01     | 1385     | 30       | 2        | <0.01    | <5       | 14       | 30       | <20      | 0.04 |
| W935122            |                          | 0.01     | <10      | 13.60    | 702      | 1        | 0.08     | 1275     | 20       | 3        | 0.01     | <5       | 13       | 48       | <20      | 0.04 |
| W935123            |                          | 0.02     | <10      | 13.20    | 982      | <1       | 0.31     | 1195     | 30       | <2       | 0.01     | <5       | 17       | 37       | <20      | 0.04 |
| W935124            |                          | 0.01     | <10      | 13.50    | 1025     | <1       | 0.12     | 1205     | 60       | 2        | <0.01    | <5       | 17       | 39       | <20      | 0.04 |
| W935125            |                          | 0.01     | <10      | 13.35    | 992      | <1       | 0.02     | 1145     | 60       | 6        | <0.01    | <5       | 16       | 43       | <20      | 0.03 |
| W935126            |                          | 0.04     | <10      | 12.80    | 1010     | <1       | 0.10     | 1165     | 60       | 3        | <0.01    | <5       | 17       | 66       | <20      | 0.05 |
| W935127            |                          | 0.12     | <10      | 13.40    | 967      | <1       | 0.35     | 1145     | 70       | 2        | 0.02     | <5       | 19       | 31       | <20      | 0.04 |
| W935128            |                          | 0.10     | <10      | 13.85    | 892      | <1       | 0.01     | 1330     | 40       | 5        | <0.01    | <5       | 14       | 33       | <20      | 0.03 |
| W935129            |                          | 0.53     | <10      | 13.60    | 908      | <1       | 0.03     | 1290     | 30       | 4        | 0.01     | <5       | 14       | 36       | <20      | 0.04 |
| W935130            |                          | 0.49     | 10       | 0.08     | 46       | <1       | 0.24     | 10       | 60       | 2        | <0.01    | <5       | 1        | 49       | <20      | 0.04 |
| W935131            |                          | 0.90     | <10      | 12.05    | 1095     | <1       | 0.92     | 963      | 110      | 4        | 0.02     | <5       | 21       | 39       | <20      | 0.06 |
| W935132            |                          | 0.93     | <10      | 11.85    | 1010     | <1       | 0.92     | 971      | 80       | 3        | 0.05     | <5       | 21       | 44       | <20      | 0.07 |
| W935133            |                          | 0.91     | <10      | 11.65    | 982      | <1       | 0.95     | 971      | 60       | 3        | 0.01     | <5       | 20       | 37       | <20      | 0.06 |
| W935134            |                          | 0.80     | <10      | 11.45    | 995      | <1       | 0.49     | 932      | 60       | 3        | 0.03     | <5       | 19       | 39       | <20      | 0.06 |
| W935135            |                          | 0.34     | <10      | 12.60    | 915      | <1       | 0.07     | 1125     | 60       | 3        | <0.01    | <5       | 16       | 36       | <20      | 0.05 |
| W935136            |                          | 0.22     | <10      | 13.00    | 1020     | <1       | 0.16     | 1145     | 60       | 2        | <0.01    | <5       | 18       | 41       | <20      | 0.06 |
| W935137            |                          | 0.01     | <10      | 13.40    | 1100     | <1       | 0.13     | 1260     | 90       | 4        | 0.01     | <5       | 18       | 48       | <20      | 0.06 |
| W935138            |                          | 0.08     | <10      | 11.95    | 1050     | <1       | 0.68     | 1125     | 70       | 2        | 0.03     | <5       | 20       | 49       | <20      | 0.08 |
| W935139            |                          | 0.36     | <10      | 15.50    | 1235     | 5        | 0.48     | 1510     | 10       | 4        | 0.02     | <5       | 22       | 108      | <20      | 0.12 |
| W935140            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935141            |                          | 0.12     | <10      | 15.70    | 1205     | 1        | 1.23     | 1370     | 40       | 3        | <0.01    | <5       | 22       | 91       | <20      | 0.14 |
| W935142            |                          | 0.03     | <10      | 15.70    | 1250     | 2        | 0.43     | 1340     | 10       | 6        | <0.01    | <5       | 24       | 220      | <20      | 0.10 |
| W935143            |                          | 0.03     | <10      | 16.85    | 1325     | 2        | 0.16     | 1315     | 10       | 8        | <0.01    | <5       | 23       | 223      | <20      | 0.10 |
| W935144            |                          | 0.08     | <10      | 13.15    | 1160     | <1       | 0.83     | 1095     | 50       | 4        | 0.01     | <5       | 21       | 119      | <20      | 0.13 |
| W935145            |                          | 0.04     | <10      | 14.55    | 1170     | 1        | 0.76     | 1190     | 60       | 4        | 0.01     | <5       | 23       | 132      | <20      | 0.15 |
| W935146            |                          | 0.02     | <10      | 14.05    | 1120     | <1       | 0.78     | 1230     | 30       | 4        | <0.01    | <5       | 21       | 118      | <20      | 0.11 |
| W935147            |                          | 0.01     | <10      | 12.45    | 986      | <1       | 0.40     | 1055     | 70       | 3        | <0.01    | <5       | 19       | 57       | <20      | 0.09 |
| W935148            |                          | 0.01     | <10      | 12.85    | 937      | <1       | 0.74     | 1175     | 60       | 3        | 0.02     | <5       | 18       | 41       | <20      | 0.03 |
| W935149            |                          | 0.02     | <10      | 14.20    | 965      | <1       | 0.63     | 1275     | 200      | 2        | 0.25     | <5       | 17       | 122      | <20      | 0.04 |
| W935150            |                          | 0.04     | 10       | 0.15     | 39       | <1       | 0.01     | 17       | 50       | <2       | <0.01    | <5       | 1        | 17       | <20      | 0.04 |
| W935151            |                          | 0.05     | 20       | 9.46     | 1275     | <1       | 2.27     | 734      | 910      | 11       | 0.43     | <5       | 19       | 317      | <20      | 0.08 |
| W935152            |                          | 0.07     | 50       | 4.58     | 1055     | <1       | 4.94     | 109      | 2130     | 22       | 0.63     | <5       | 22       | 728      | <20      | 0.13 |
| W935153            |                          | 0.08     | 50       | 5.34     | 1020     | <1       | 4.46     | 186      | 1930     | 19       | 0.67     | <5       | 22       | 564      | <20      | 0.13 |
| W935154            |                          | 0.01     | 10       | 15.25    | 1010     | 1        | 0.08     | 1330     | 70       | <2       | 0.18     | <5       | 19       | 102      | <20      | 0.03 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

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| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W935116            |                                   | <10      | <10      | 111      | <10      | 72       |
| W935117            |                                   | <10      | <10      | 103      | <10      | 59       |
| W935118            |                                   | <10      | <10      | 123      | <10      | 64       |
| W935119            |                                   | <10      | <10      | 105      | <10      | 58       |
| W935120            |                                   |          |          |          |          |          |
| W935121            |                                   | <10      | <10      | 83       | <10      | 46       |
| W935122            |                                   | <10      | <10      | 85       | <10      | 44       |
| W935123            |                                   | <10      | <10      | 104      | <10      | 49       |
| W935124            |                                   | <10      | <10      | 100      | <10      | 50       |
| W935125            |                                   | <10      | <10      | 97       | <10      | 48       |
| W935126            |                                   | <10      | 10       | 107      | <10      | 49       |
| W935127            |                                   | <10      | <10      | 113      | <10      | 55       |
| W935128            |                                   | <10      | <10      | 83       | <10      | 43       |
| W935129            |                                   | <10      | <10      | 88       | <10      | 47       |
| W935130            |                                   | <10      | <10      | 6        | <10      | 117      |
| W935131            |                                   | <10      | <10      | 123      | <10      | 52       |
| W935132            |                                   | <10      | <10      | 125      | <10      | 59       |
| W935133            |                                   | <10      | <10      | 122      | <10      | 60       |
| W935134            |                                   | <10      | <10      | 115      | <10      | 52       |
| W935135            |                                   | <10      | 10       | 99       | <10      | 47       |
| W935136            |                                   | <10      | <10      | 103      | <10      | 50       |
| W935137            |                                   | <10      | <10      | 116      | <10      | 58       |
| W935138            |                                   | <10      | <10      | 120      | <10      | 60       |
| W935139            |                                   | <10      | <10      | 170      | <10      | 73       |
| W935140            |                                   |          |          |          |          |          |
| W935141            |                                   | <10      | <10      | 157      | <10      | 79       |
| W935142            |                                   | <10      | 10       | 131      | <10      | 66       |
| W935143            |                                   | <10      | <10      | 118      | <10      | 64       |
| W935144            |                                   | <10      | <10      | 134      | <10      | 61       |
| W935145            |                                   | <10      | <10      | 146      | <10      | 75       |
| W935146            |                                   | <10      | <10      | 126      | <10      | 60       |
| W935147            |                                   | <10      | <10      | 117      | <10      | 53       |
| W935148            |                                   | <10      | <10      | 107      | <10      | 52       |
| W935149            |                                   | <10      | <10      | 125      | <10      | 90       |
| W935150            |                                   | <10      | <10      | 6        | <10      | 2        |
| W935151            |                                   | <10      | <10      | 162      | <10      | 132      |
| W935152            |                                   | <10      | <10      | 162      | <10      | 96       |
| W935153            |                                   | <10      | <10      | 162      | <10      | 90       |
| W935154            |                                   | <10      | <10      | 115      | <10      | 63       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**VANCOUVER BC V6C 2V6**

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**CERTIFICATE OF ANALYSIS TM20063008**

| <b>CERTIFICATE COMMENTS</b> |                                                                                                                                                        |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
|                             | <b>LABORATORY ADDRESSES</b>                                                                                                                            |
| Applies to Method:          | Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.<br>Au-AA26 ME-ICP61                                             |
| Applies to Method:          | Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.<br>CRU-31 CRU-QC LOG-21 LOG-23<br>PUL-31 PUL-QC SPL-21 WEI-21 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE TM20063008**

Project: Golden Perimeter  
 P.O. No.: GP20-03  
 This report is for 39 Drill Core samples submitted to our lab in Timmins, ON, Canada on 17-MAR-2020.  
 The following have access to data associated with this certificate:

|                              |              |              |
|------------------------------|--------------|--------------|
| IAN DUNLOP<br>CONOR MCKINLEY | DARWIN GREEN | NEAL MAGUIRE |
|------------------------------|--------------|--------------|

| SAMPLE PREPARATION |                                 |
|--------------------|---------------------------------|
| ALS CODE           | DESCRIPTION                     |
| WEI-21             | Received Sample Weight          |
| LOG-21             | Sample logging - ClientBarCode  |
| CRU-QC             | Crushing QC Test                |
| PUL-QC             | Pulverizing QC Test             |
| CRU-31             | Fine crushing - 70% <2mm        |
| SPL-21             | Split sample - riffle splitter  |
| PUL-31             | Pulverize up to 250g 85% <75 um |
| LOG-23             | Pulp Login - Rcvd with Barcode  |

| ANALYTICAL PROCEDURES |                               |            |
|-----------------------|-------------------------------|------------|
| ALS CODE              | DESCRIPTION                   | INSTRUMENT |
| ME-ICP61              | 33 element four acid ICP-AES  | ICP-AES    |
| Au-AA26               | Ore Grade Au 50g FA AA finish | AAS        |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:   
 Saa Traxler, General Manager, North Vancouver



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20063008**

| Method Analyte Units LOD   | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |  |
|----------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| Sample Description         | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K %      |  |
|                            | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       | 0.01     |  |
| <b>STANDARDS</b>           |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| CDN-CM-34                  |         | 3.7      | 6.60     | 100      | 470      | 1.0      | 5        | 2.14     | 1.1      | 43       | 243      | 5970     | 4.80     | 20       | 2.84     |  |
| Target Range - Lower Bound |         | 2.5      | 5.88     | 90       | 430      | <0.5     | <2       | 1.83     | <0.5     | 37       | 217      | 5370     | 4.26     | <10      | 2.51     |  |
| Upper Bound                |         | 4.9      | 7.21     | 122      | 610      | 2.1      | 8        | 2.25     | 2.0      | 47       | 267      | 6190     | 5.23     | 40       | 3.09     |  |
| EMOG-17                    |         | 69.9     | 4.77     | 586      | 180      | 1.9      | 9        | 2.01     | 20.7     | 786      | 61       | 8790     | 4.98     | 10       | 1.70     |  |
| Target Range - Lower Bound |         | 60.4     | 4.18     | 517      | 930      | 0.7      | <2       | 1.72     | 17.7     | 685      | 49       | 7740     | 4.42     | <10      | 1.49     |  |
| Upper Bound                |         | 75.0     | 5.13     | 643      | 1290     | 2.9      | 10       | 2.12     | 22.7     | 839      | 62       | 8910     | 5.42     | 30       | 1.85     |  |
| MRCeo8                     |         | 4.4      | 7.00     | 34       | 1130     | 3.2      | 4        | 2.69     | 2.3      | 20       | 96       | 634      | 4.04     | 20       | 3.25     |  |
| Target Range - Lower Bound |         | 3.2      | 6.64     | 21       | 920      | 2.2      | <2       | 2.35     | 1.1      | 17       | 81       | 586      | 3.55     | <10      | 2.79     |  |
| Upper Bound                |         | 5.6      | 8.14     | 45       | 1270     | 4.5      | 5        | 2.90     | 3.4      | 23       | 102      | 676      | 4.37     | 40       | 3.43     |  |
| OREAS 602                  |         | >100     | 4.46     | 700      | 130      | 0.8      | 64       | 0.67     | 26.1     | 10       | 34       | 5320     | 2.28     | 20       | 0.72     |  |
| Target Range - Lower Bound |         | 107.5    | 3.92     | 579      | 590      | <0.5     | 49       | 0.55     | 21.7     | 7        | 28       | 4790     | 2.01     | <10      | 0.60     |  |
| Upper Bound                |         | 100.0    | 4.82     | 719      | 830      | 1.8      | 65       | 0.69     | 27.7     | 12       | 36       | 5510     | 2.47     | 40       | 0.76     |  |
| OxP154                     | 15.10   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | 14.35   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 16.20   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| PMP-18                     | 0.31    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | 0.28    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 0.34    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| <b>BLANKS</b>              |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| BLANK                      | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| BLANK                      |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | 1        | <1       | <0.01    | <10      | <0.01    |  |
| BLANK                      |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | 1        | 1        | <0.01    | <10      | <0.01    |  |
| Target Range - Lower Bound |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | <1       | <0.01    | <10      | <0.01    |  |
| Upper Bound                |         | 1.0      | 0.02     | 10       | 20       | 1.0      | 4        | 0.02     | 1.0      | 2        | 2        | 2        | 0.02     | 20       | 0.02     |  |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20063008**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|----------------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                            |                          | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti %     | Tl ppm |
|                            |                          | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01     | 10     |
| <b>STANDARDS</b>           |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| CDN-CM-34                  |                          | 10       | 3.66     | 459      | 294      | 0.74     | 259      | 1220     | 25       | 3.07     | 9        | 16       | 222      | <20      | 0.52     | <10    |
| Target Range - Lower Bound |                          | <10      | 3.29     | 399      | 269      | 0.66     | 220      | 1110     | 19       | 2.70     | <5       | 14       | 204      | <20      | 0.43     | <10    |
| Upper Bound                |                          | 40       | 4.05     | 499      | 331      | 0.83     | 271      | 1370     | 29       | 3.32     | 17       | 19       | 251      | 40       | 0.55     | 20     |
| EMOG-17                    |                          | 20       | 0.98     | 778      | 1120     | 1.12     | 8050     | 830      | 7490     | 3.38     | 840      | 8        | 206      | <20      | 0.34     | <10    |
| Target Range - Lower Bound |                          | <10      | 0.86     | 670      | 996      | 0.99     | 6820     | 700      | 6570     | 2.91     | 638      | 6        | 184      | <20      | 0.28     | <10    |
| Upper Bound                |                          | 40       | 1.08     | 830      | 1220     | 1.23     | 8330     | 880      | 8030     | 3.57     | 874      | 10       | 227      | 50       | 0.36     | 20     |
| MRGeo08                    |                          | 20       | 1.28     | 569      | 14       | 2.04     | 719      | 1050     | 1110     | 0.30     | <5       | 10       | 312      | 20       | 0.50     | <10    |
| Target Range - Lower Bound |                          | <10      | 1.17     | 497      | 12       | 1.76     | 621      | 930      | 969      | 0.27     | <5       | 10       | 276      | <20      | 0.44     | <10    |
| Upper Bound                |                          | 60       | 1.45     | 619      | 18       | 2.18     | 761      | 1160     | 1190     | 0.35     | 15       | 15       | 340      | 60       | 0.56     | 20     |
| OREAS 602                  |                          | 20       | 0.19     | 245      | 4        | 0.46     | 62       | 580      | 1060     | 2.16     | 84       | 4        | 482      | <20      | 0.22     | <10    |
| Target Range - Lower Bound |                          | <10      | 0.17     | 198      | 2        | 0.40     | 53       | 500      | 918      | 1.90     | 61       | 2        | 417      | <20      | 0.18     | <10    |
| Upper Bound                |                          | 40       | 0.23     | 253      | 7        | 0.51     | 67       | 640      | 1125     | 2.34     | 97       | 6        | 511      | 50       | 0.24     | 20     |
| OxP154                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| PMP-18                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| <b>BLANKS</b>              |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| BLANK                      |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| BLANK                      |                          | <10      | <0.01    | <5       | <1       | <0.01    | <1       | <10      | <2       | <0.01    | <5       | <1       | 1        | <20      | <0.01    | <10    |
| BLANK                      |                          | <10      | <0.01    | <5       | <1       | <0.01    | <1       | <10      | <2       | <0.01    | <5       | <1       | <1       | <20      | <0.01    | <10    |
| Target Range - Lower Bound |                          | <10      | <0.01    | <5       | <1       | <0.01    | <1       | <10      | <2       | <0.01    | <5       | <1       | <1       | <20      | <0.01    | <10    |
| Upper Bound                |                          | 20       | 0.02     | 10       | 2        | 0.02     | 2        | 20       | 4        | 0.02     | 10       | 2        | 2        | 40       | 0.02     | 20     |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM20063008**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 U ppm | ME-ICP61 V ppm | ME-ICP61 W ppm | ME-ICP61 Zn ppm |
|----------------------------|--------------------------|----------------|----------------|----------------|-----------------|
|                            |                          | 10             | 1              | 10             | 2               |
| <b>STANDARDS</b>           |                          |                |                |                |                 |
| CDN-CM-34                  |                          | <10            | 164            | 20             | 203             |
| Target Range - Lower Bound |                          | <10            | 149            | <10            | 176             |
| Upper Bound                |                          | 20             | 184            | 50             | 219             |
| EMOG-17                    |                          | <10            | 75             | <10            | 7670            |
| Target Range - Lower Bound |                          | <10            | 67             | <10            | 6800            |
| Upper Bound                |                          | 20             | 84             | 20             | 8320            |
| MRCGeo08                   |                          | <10            | 109            | <10            | 808             |
| Target Range - Lower Bound |                          | <10            | 97             | <10            | 722             |
| Upper Bound                |                          | 30             | 121            | 30             | 886             |
| OREAS 602                  |                          | <10            | 34             | 10             | 4200            |
| Target Range - Lower Bound |                          | <10            | 29             | <10            | 3770            |
| Upper Bound                |                          | 20             | 37             | 30             | 4610            |
| OxP154                     |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| PMP-18                     |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| <b>BLANKS</b>              |                          |                |                |                |                 |
| BLANK                      |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| BLANK                      |                          | <10            | <1             | <10            | <2              |
| BLANK                      |                          | <10            | <1             | <10            | <2              |
| Target Range - Lower Bound |                          | <10            | <1             | <10            | <2              |
| Upper Bound                |                          | 20             | 2              | 20             | 4               |



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**QC CERTIFICATE OF ANALYSIS TM20063008**

| Sample Description         | Method Analyte Units LOD | Au-AA26<br>Au<br>ppm<br>0.01 | ME-ICP61<br>Ag<br>ppm<br>0.5 | ME-ICP61<br>Al<br>%<br>0.01 | ME-ICP61<br>As<br>ppm<br>5 | ME-ICP61<br>Ba<br>ppm<br>10 | ME-ICP61<br>Be<br>ppm<br>0.5 | ME-ICP61<br>Bi<br>ppm<br>2 | ME-ICP61<br>Ca<br>%<br>0.01 | ME-ICP61<br>Cd<br>ppm<br>0.5 | ME-ICP61<br>Co<br>ppm<br>1 | ME-ICP61<br>Cr<br>ppm<br>1 | ME-ICP61<br>Cu<br>ppm<br>1 | ME-ICP61<br>Fe<br>%<br>0.01 | ME-ICP61<br>Ga<br>ppm<br>10 | ME-ICP61<br>K<br>%<br>0.01 |
|----------------------------|--------------------------|------------------------------|------------------------------|-----------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|----------------------------|
| <b>DUPLICATES</b>          |                          |                              |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| W935615                    |                          | 0.01                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| W935124                    |                          | <0.5                         | 2.56                         | <5                          | 10                         | <0.5                        | 3                            | 3.68                       | <0.5                        | 78                           | 1240                       | 23                         | 5.95                       | 10                          | 0.01                        |                            |
| DUP                        |                          | <0.5                         | 2.60                         | <5                          | 20                         | <0.5                        | 2                            | 3.70                       | <0.5                        | 80                           | 1250                       | 25                         | 6.05                       | 10                          | 0.01                        |                            |
| Target Range - Lower Bound |                          | <0.5                         | 2.44                         | <5                          | <10                        | <0.5                        | <2                           | 3.50                       | <0.5                        | 74                           | 1180                       | 22                         | 5.69                       | <10                         | <0.01                       |                            |
| Upper Bound                |                          | 1.0                          | 2.72                         | 10                          | 20                         | 1.0                         | 4                            | 3.88                       | 1.0                         | 84                           | 1310                       | 26                         | 6.31                       | 20                          | 0.02                        |                            |
| W935134                    |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| W935154                    |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| W935638                    |                          | <0.5                         | 7.24                         | 10                          | 30                         | <0.5                        | 9                            | 7.73                       | <0.5                        | 58                           | 88                         | 120                        | 9.27                       | 20                          | 0.03                        |                            |
| DUP                        |                          | <0.5                         | 7.31                         | 7                           | 30                         | <0.5                        | 4                            | 7.81                       | <0.5                        | 57                           | 80                         | 121                        | 9.38                       | 20                          | 0.03                        |                            |
| Target Range - Lower Bound |                          | <0.5                         | 6.90                         | <5                          | 20                         | <0.5                        | 4                            | 7.37                       | <0.5                        | 54                           | 79                         | 115                        | 8.85                       | <10                         | 0.02                        |                            |
| Upper Bound                |                          | 1.0                          | 7.65                         | 10                          | 40                         | 1.0                         | 9                            | 8.17                       | 1.0                         | 61                           | 89                         | 126                        | 9.80                       | 30                          | 0.04                        |                            |





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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**QC CERTIFICATE OF ANALYSIS TM20063008**

| Sample Description                                          | Method Analyte Units LOD | ME-ICP61                | ME-ICP61                         | ME-ICP61                     | ME-ICP61            | ME-ICP61                     | ME-ICP61                     | ME-ICP61                 | ME-ICP61            | ME-ICP61                        | ME-ICP61             | ME-ICP61             | ME-ICP61                 | ME-ICP61                | ME-ICP61                     |                         |
|-------------------------------------------------------------|--------------------------|-------------------------|----------------------------------|------------------------------|---------------------|------------------------------|------------------------------|--------------------------|---------------------|---------------------------------|----------------------|----------------------|--------------------------|-------------------------|------------------------------|-------------------------|
|                                                             |                          | La ppm                  | Mg %                             | Mn ppm                       | Mo ppm              | Na %                         | Ni ppm                       | P ppm                    | Pb ppm              | S %                             | Sb ppm               | Sc ppm               | Sr ppm                   | Th ppm                  | Ti %                         | Tl ppm                  |
|                                                             |                          | 10                      | 0.01                             | 5                            | 1                   | 0.01                         | 1                            | 10                       | 2                   | 0.01                            | 5                    | 1                    | 1                        | 20                      | 0.01                         | 10                      |
| <b>DUPLICATES</b>                                           |                          |                         |                                  |                              |                     |                              |                              |                          |                     |                                 |                      |                      |                          |                         |                              |                         |
| W935615<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                                  |                              |                     |                              |                              |                          |                     |                                 |                      |                      |                          |                         |                              |                         |
| W935124<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | <10<br><10<br><10<br>20 | 13.50<br>13.60<br>12.85<br>14.25 | 1025<br>1020<br>966<br>1080  | <1<br><1<br><1<br>2 | 0.12<br>0.12<br>0.10<br>0.14 | 1205<br>1215<br>1150<br>1270 | 60<br>60<br>50<br>70     | 2<br>3<br><2<br>4   | <0.01<br><0.01<br><0.01<br>0.02 | <5<br><5<br><5<br>10 | 17<br>17<br>15<br>19 | 39<br>39<br>36<br>42     | <20<br><20<br><20<br>40 | 0.04<br>0.04<br>0.03<br>0.05 | <10<br><10<br><10<br>20 |
| W935134<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                                  |                              |                     |                              |                              |                          |                     |                                 |                      |                      |                          |                         |                              |                         |
| W935154<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                                  |                              |                     |                              |                              |                          |                     |                                 |                      |                      |                          |                         |                              |                         |
| W935638<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | 10<br>10<br><10<br>20   | 2.77<br>2.80<br>2.64<br>2.93     | 2150<br>2170<br>2050<br>2270 | <1<br><1<br><1<br>2 | 0.69<br>0.69<br>0.65<br>0.73 | 72<br>72<br>67<br>77         | 620<br>620<br>580<br>660 | <2<br><2<br><2<br>4 | 0.22<br>0.22<br>0.20<br>0.24    | <5<br><5<br><5<br>10 | 49<br>49<br>46<br>52 | 185<br>185<br>175<br>195 | <20<br><20<br><20<br>40 | 0.99<br>0.99<br>0.93<br>1.05 | <10<br><10<br><10<br>20 |
|                                                             |                          |                         |                                  |                              |                     |                              |                              |                          |                     |                                 |                      |                      |                          |                         |                              |                         |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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 Account: GOLHIGH

Project: Golden Perimeter

|                                              |
|----------------------------------------------|
| <b>QC CERTIFICATE OF ANALYSIS TM20063008</b> |
|----------------------------------------------|

| Sample Description                                          | Method Analyte Units LOD | ME-ICP61 U ppm          | ME-ICP61 V ppm           | ME-ICP61 W ppm          | ME-ICP61 Zn ppm          |
|-------------------------------------------------------------|--------------------------|-------------------------|--------------------------|-------------------------|--------------------------|
|                                                             |                          | 10                      | 1                        | 10                      | 2                        |
| <b>DUPLICATES</b>                                           |                          |                         |                          |                         |                          |
| W935615<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                          |                         |                          |
| W935124<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | <10<br><10<br><10<br>20 | 100<br>101<br>94<br>107  | <10<br><10<br><10<br>20 | 50<br>51<br>46<br>55     |
| W935134<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                          |                         |                          |
| W935154<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                          |                         |                          |
| W935638<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | <10<br><10<br><10<br>20 | 389<br>388<br>368<br>409 | <10<br><10<br><10<br>20 | 128<br>129<br>120<br>137 |
|                                                             |                          |                         |                          |                         |                          |



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**QC CERTIFICATE OF ANALYSIS TM20063008**

### CERTIFICATE COMMENTS

#### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
Au-AA26 ME-ICP61

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.  
CRU-31 CRU-QC LOG-23  
PUL-31 PUL-QC SPL-21 WEI-21



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**CERTIFICATE TM20064097**

Project: Golden Perimeter

This report is for 9 Drill Core samples submitted to our lab in Timmins, ON, Canada on 18-MAR-2020.

The following have access to data associated with this certificate:

|                              |              |              |
|------------------------------|--------------|--------------|
| IAN DUNLOP<br>CONOR MCKINLEY | DARWIN GREEN | NEAL MAGUIRE |
|------------------------------|--------------|--------------|

| SAMPLE PREPARATION |                               |
|--------------------|-------------------------------|
| ALS CODE           | DESCRIPTION                   |
| FND-02             | Find Sample for Addn Analysis |

| ANALYTICAL PROCEDURES |                                 |            |
|-----------------------|---------------------------------|------------|
| ALS CODE              | DESCRIPTION                     | INSTRUMENT |
| ME-XRF26              | Whole Rock By Fusion/XRF        | XRF        |
| OA-GRA05x             | LOI for XRF                     | WST-SEQ    |
| ME-MS42               | Up to 34 elements by ICP-MS     | ICP-MS     |
| S-IR08                | Total Sulphur (IR Spectroscopy) | LECO       |
| C-IR07                | Total Carbon (IR Spectroscopy)  | LECO       |
| ME-MS81               | Lithium Borate Fusion ICP-MS    | ICP-MS     |
| ME-4ACD81             | Base Metals by 4-acid dig.      | ICP-AES    |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

**Signature:**   
 Saa Traxler, General Manager, North Vancouver



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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064097**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-XRF26   | ME-XRF26 | ME-XRF26 | ME-XRF26   | ME-XRF26   | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26  | ME-XRF26  | ME-XRF26  | ME-XRF26 | ME-XRF26  | ME-XRF26                   | ME-XRF26   |
|--------------------|-----------------------------------|------------|----------|----------|------------|------------|----------|----------|----------|-----------|-----------|-----------|----------|-----------|----------------------------|------------|
|                    |                                   | Al2O3<br>% | BaO<br>% | CaO<br>% | Cr2O3<br>% | Fe2O3<br>% | K2O<br>% | MgO<br>% | MnO<br>% | Na2O<br>% | P2O5<br>% | SiO2<br>% | SrO<br>% | TiO2<br>% | OA-GRA05x<br>LOI 1000<br>% | Total<br>% |
| W935116            |                                   | 5.25       | 0.01     | 6.47     | 0.30       | 9.47       | 0.01     | 24.1     | 0.16     | 0.47      | 0.02      | 38.85     | 0.01     | 0.25      | 14.41                      | 100.05     |
| W935117            |                                   | 5.08       | 0.01     | 7.05     | 0.28       | 8.97       | 0.01     | 24.0     | 0.18     | 0.42      | 0.02      | 38.24     | 0.01     | 0.25      | 15.15                      | 100.05     |
| W935118            |                                   | 5.53       | <0.01    | 4.92     | 0.32       | 9.82       | <0.01    | 24.3     | 0.12     | 0.03      | 0.02      | 37.50     | <0.01    | 0.27      | 16.27                      | 99.33      |
| W935119            |                                   | 5.25       | <0.01    | 4.86     | 0.30       | 8.86       | 0.49     | 20.5     | 0.13     | 0.61      | 0.02      | 32.47     | <0.01    | 0.27      | 25.99                      | 100.15     |
| W935132            |                                   | 6.47       | 0.01     | 4.73     | 0.32       | 9.25       | 1.08     | 18.70    | 0.12     | 1.22      | 0.02      | 30.88     | 0.01     | 0.29      | 26.82                      | 100.25     |
| W935137            |                                   | 5.62       | 0.01     | 5.64     | 0.27       | 9.24       | <0.01    | 22.5     | 0.14     | 0.20      | 0.03      | 37.55     | 0.01     | 0.29      | 18.43                      | 100.20     |
| W935138            |                                   | 6.22       | 0.01     | 5.11     | 0.28       | 9.67       | 0.10     | 19.95    | 0.13     | 0.94      | 0.02      | 33.83     | 0.01     | 0.33      | 23.88                      | 100.75     |
| W935148            |                                   | 6.05       | <0.01    | 5.65     | 0.30       | 9.03       | 0.01     | 21.9     | 0.12     | 1.07      | 0.02      | 42.14     | 0.01     | 0.28      | 12.93                      | 99.79      |
| W935152            |                                   | 12.98      | 0.55     | 7.10     | 0.06       | 8.68       | 0.08     | 7.60     | 0.14     | 6.46      | 0.48      | 44.91     | 0.08     | 0.80      | 9.83                       | 101.40     |



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**CERTIFICATE OF ANALYSIS TM20064097**

| Sample Description | Method  | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |     |
|--------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----|
|                    | Analyte | Ba      | Ce      | Cr      | Cs      | Dy      | Er      | Eu      | Ga      | Gd      | Ge      | Hf      | Ho      | La      | Lu      | Nb  |
| Units              |         | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm |
| LOD                |         | 0.5     | 0.1     | 10      | 0.01    | 0.05    | 0.03    | 0.02    | 0.1     | 0.05    | 5       | 0.1     | 0.01    | 0.1     | 0.01    | 0.1 |
| W935116            |         | 6.7     | 1.0     | 2180    | 0.31    | 1.09    | 0.77    | 0.22    | 6.1     | 0.72    | <5      | 0.4     | 0.22    | 0.3     | 0.07    | 0.3 |
| W935117            |         | 5.5     | 1.3     | 2080    | 0.29    | 1.11    | 0.72    | 0.22    | 7.3     | 1.13    | <5      | 0.4     | 0.22    | 0.5     | 0.09    | 0.4 |
| W935118            |         | 1.7     | 1.0     | 2410    | 0.29    | 1.14    | 0.78    | 0.17    | 7.1     | 0.96    | <5      | 0.4     | 0.23    | 0.5     | 0.09    | 0.3 |
| W935119            |         | 16.9    | 1.1     | 2280    | 0.23    | 1.05    | 0.77    | 0.21    | 5.9     | 0.96    | <5      | 0.4     | 0.20    | 0.4     | 0.11    | 0.4 |
| W935132            |         | 18.5    | 0.9     | 2390    | 0.39    | 1.12    | 0.69    | 0.13    | 7.6     | 0.85    | <5      | 0.4     | 0.23    | 0.3     | 0.10    | 0.3 |
| W935137            |         | 30.2    | 2.3     | 2110    | 0.18    | 1.09    | 0.77    | 0.22    | 7.2     | 0.99    | <5      | 0.5     | 0.28    | 1.1     | 0.11    | 0.6 |
| W935138            |         | 13.7    | 3.0     | 2090    | 0.11    | 1.27    | 0.77    | 0.20    | 7.6     | 1.13    | <5      | 0.7     | 0.23    | 1.2     | 0.11    | 0.7 |
| W935148            |         | 0.9     | 1.6     | 2280    | 0.24    | 1.07    | 0.72    | 0.14    | 7.7     | 0.96    | <5      | 0.5     | 0.27    | 0.6     | 0.11    | 0.4 |
| W935152            |         | 5300    | 116.5   | 430     | 0.10    | 4.10    | 2.07    | 2.64    | 17.0    | 7.41    | <5      | 3.9     | 0.79    | 58.5    | 0.25    | 4.9 |



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**CERTIFICATE OF ANALYSIS TM20064097**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81          | ME-MS81           | ME-MS81          | ME-MS81           | ME-MS81        | ME-MS81          | ME-MS81          | ME-MS81           | ME-MS81           | ME-MS81           | ME-MS81          | ME-MS81       | ME-MS81       | ME-MS81         |                   |
|--------------------|-----------------------------------|------------------|-------------------|------------------|-------------------|----------------|------------------|------------------|-------------------|-------------------|-------------------|------------------|---------------|---------------|-----------------|-------------------|
|                    |                                   | Nd<br>ppm<br>0.1 | Pr<br>ppm<br>0.02 | Rb<br>ppm<br>0.2 | Sm<br>ppm<br>0.03 | Sn<br>ppm<br>1 | Sr<br>ppm<br>0.1 | Ta<br>ppm<br>0.1 | Tb<br>ppm<br>0.01 | Th<br>ppm<br>0.05 | Tm<br>ppm<br>0.01 | U<br>ppm<br>0.05 | V<br>ppm<br>5 | W<br>ppm<br>1 | Y<br>ppm<br>0.1 | Yb<br>ppm<br>0.03 |
| W935116            |                                   | 1.1              | 0.19              | 0.3              | 0.45              | <1             | 28.4             | <0.1             | 0.18              | <0.05             | 0.09              | <0.05            | 121           | 1             | 6.2             | 0.63              |
| W935117            |                                   | 1.3              | 0.22              | 0.4              | 0.60              | <1             | 27.9             | <0.1             | 0.16              | <0.05             | 0.09              | <0.05            | 112           | 1             | 5.8             | 0.65              |
| W935118            |                                   | 1.1              | 0.17              | 0.5              | 0.40              | <1             | 35.0             | <0.1             | 0.20              | <0.05             | 0.12              | <0.05            | 135           | 1             | 7.1             | 0.75              |
| W935119            |                                   | 1.3              | 0.19              | 6.2              | 0.46              | <1             | 36.7             | 0.1              | 0.14              | <0.05             | 0.11              | <0.05            | 115           | 3             | 6.6             | 0.73              |
| W935132            |                                   | 1.0              | 0.18              | 13.9             | 0.45              | <1             | 41.4             | <0.1             | 0.14              | <0.05             | 0.13              | <0.05            | 131           | 3             | 6.5             | 0.79              |
| W935137            |                                   | 1.5              | 0.33              | 0.3              | 0.53              | <1             | 46.7             | <0.1             | 0.21              | 0.08              | 0.09              | <0.05            | 130           | 1             | 7.1             | 0.76              |
| W935138            |                                   | 2.3              | 0.43              | 1.7              | 0.78              | <1             | 47.2             | <0.1             | 0.22              | 0.09              | 0.15              | <0.05            | 131           | 1             | 7.2             | 0.76              |
| W935148            |                                   | 1.4              | 0.25              | 0.5              | 0.52              | <1             | 42.3             | <0.1             | 0.15              | 0.06              | 0.13              | <0.05            | 118           | 2             | 6.6             | 0.78              |
| W935152            |                                   | 55.1             | 13.80             | 1.1              | 9.84              | 1              | 668              | 0.3              | 0.93              | 9.31              | 0.28              | 2.60             | 216           | 1             | 20.9            | 1.76              |



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| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81   | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-MS42   | ME-MS42   | ME-MS42   | ME-MS42   |
|--------------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                    |                                   | Zr<br>ppm | Ag<br>ppm | Cd<br>ppm | Co<br>ppm | Cu<br>ppm | Li<br>ppm | Mo<br>ppm | Ni<br>ppm | Pb<br>ppm | Sc<br>ppm | Zn<br>ppm | As<br>ppm | Bi<br>ppm | Hg<br>ppm | In<br>ppm |
|                    |                                   | 2         | 0.5       | 0.5       | 1         | 1         | 10        | 1         | 1         | 2         | 1         | 2         | 0.1       | 0.01      | 0.005     | 0.005     |
| W935116            |                                   | 13        | <0.5      | <0.5      | 85        | 41        | 10        | <1        | 1330      | 3         | 18        | 68        | 0.3       | 0.01      | <0.005    | 0.019     |
| W935117            |                                   | 14        | <0.5      | <0.5      | 86        | 37        | 10        | <1        | 1410      | 4         | 17        | 58        | 0.5       | 0.07      | <0.005    | 0.018     |
| W935118            |                                   | 13        | <0.5      | <0.5      | 91        | 22        | 20        | <1        | 1320      | 2         | 20        | 64        | 0.4       | 0.01      | <0.005    | 0.021     |
| W935119            |                                   | 14        | <0.5      | <0.5      | 77        | 65        | 20        | <1        | 1060      | 3         | 18        | 58        | 0.5       | 0.17      | <0.005    | 0.020     |
| W935132            |                                   | 14        | <0.5      | <0.5      | 73        | 102       | 10        | <1        | 904       | 3         | 20        | 55        | 0.3       | 0.04      | <0.005    | 0.019     |
| W935137            |                                   | 18        | <0.5      | <0.5      | 82        | 85        | 20        | <1        | 1250      | <2        | 19        | 59        | 0.2       | 0.02      | <0.005    | 0.022     |
| W935138            |                                   | 23        | <0.5      | <0.5      | 79        | 78        | 30        | <1        | 1090      | 3         | 20        | 59        | 0.1       | 0.02      | <0.005    | 0.025     |
| W935148            |                                   | 15        | <0.5      | 0.5       | 80        | 72        | 10        | <1        | 1220      | 3         | 19        | 55        | 0.2       | 0.01      | <0.005    | 0.019     |
| W935152            |                                   | 155       | <0.5      | <0.5      | 34        | 14        | 10        | <1        | 110       | 24        | 22        | 96        | 0.6       | 0.15      | <0.005    | 0.031     |





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|                                           |
|-------------------------------------------|
| <b>CERTIFICATE OF ANALYSIS TM20064097</b> |
|-------------------------------------------|

| Sample Description | Method Analyte Units LOD | ME-MS42<br>Re<br>ppm<br>0.001 | ME-MS42<br>Sb<br>ppm<br>0.05 | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02 | S-IR08<br>S<br>%<br>0.01 | C-IR07<br>C<br>%<br>0.01 |
|--------------------|--------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------|--------------------------|
| W935116            |                          | <0.001                        | <0.05                        | 16.7                        | <0.2                        | 0.02                         | <0.02                        | 0.01                     | 2.76                     |
| W935117            |                          | <0.001                        | <0.05                        | 15.8                        | 0.5                         | 0.07                         | <0.02                        | 0.04                     | 3.02                     |
| W935118            |                          | <0.001                        | <0.05                        | 16.2                        | <0.2                        | 0.04                         | <0.02                        | 0.01                     | 3.21                     |
| W935119            |                          | <0.001                        | <0.05                        | 16.7                        | 0.3                         | 0.49                         | <0.02                        | 0.08                     | 6.80                     |
| W935132            |                          | <0.001                        | <0.05                        | 18.0                        | 0.3                         | 0.05                         | <0.02                        | 0.05                     | 7.33                     |
| W935137            |                          | <0.001                        | <0.05                        | 17.9                        | 0.3                         | 0.03                         | <0.02                        | 0.01                     | 3.98                     |
| W935138            |                          | 0.001                         | <0.05                        | 19.4                        | 0.4                         | 0.02                         | <0.02                        | 0.03                     | 5.99                     |
| W935148            |                          | <0.001                        | <0.05                        | 18.5                        | <0.2                        | 0.03                         | <0.02                        | 0.03                     | 2.47                     |
| W935152            |                          | <0.001                        | <0.05                        | 17.2                        | 0.3                         | 0.01                         | <0.02                        | 0.55                     | 2.69                     |



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North Vancouver BC V7H 0A7  
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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To: **HIGHGOLD MINING**  
**800 WEST PENDER ST, 320**  
**VANCOUVER BC V6C 2V6**

Page: Appendix 1  
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Finalized Date: 3-APR-2020  
Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064097**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
C-IR07 FND-02 ME-4ACD81  
ME-MS81 ME-XRF26 OA-GRA05x

ME-MS42  
S-IR08



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**VANCOUVER BC V6C 2V6**

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 Plus Appendix Pages  
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 Account: GOLHIGH

**QC CERTIFICATE TM20064097**

Project: Golden Perimeter

This report is for 9 Drill Core samples submitted to our lab in Timmins, ON, Canada on 18-MAR-2020.

The following have access to data associated with this certificate:

|                |              |              |
|----------------|--------------|--------------|
| IAN DUNLOP     | DARWIN GREEN | NEAL MAGUIRE |
| CONOR MCKINLEY |              |              |

| SAMPLE PREPARATION |                               |
|--------------------|-------------------------------|
| ALS CODE           | DESCRIPTION                   |
| FND-02             | Find Sample for Addn Analysis |

| ANALYTICAL PROCEDURES |                                 |            |
|-----------------------|---------------------------------|------------|
| ALS CODE              | DESCRIPTION                     | INSTRUMENT |
| ME-XRF26              | Whole Rock By Fusion/XRF        | XRF        |
| OA-GRA05x             | LOI for XRF                     | WST-SEQ    |
| ME-MS42               | Up to 34 elements by ICP-MS     | ICP-MS     |
| S-IR08                | Total Sulphur (IR Spectroscopy) | LECO       |
| C-IR07                | Total Carbon (IR Spectroscopy)  | LECO       |
| ME-MS81               | Lithium Borate Fusion ICP-MS    | ICP-MS     |
| ME-4ACD81             | Base Metals by 4-acid dig.      | ICP-AES    |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:   
 Saa Traxler, General Manager, North Vancouver



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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064097**

| Sample Description         | Method Analyte Units LOD | ME-XRF26 Al2O3 % | ME-XRF26 BaO % | ME-XRF26 CaO % | ME-XRF26 Cr2O3 % | ME-XRF26 Fe2O3 % | ME-XRF26 K2O % | ME-XRF26 MgO % | ME-XRF26 MnO % | ME-XRF26 Na2O % | ME-XRF26 P2O5 % | ME-XRF26 SiO2 % | ME-XRF26 SrO % | ME-XRF26 TiO2 % | OA-GRA05x LOI 1000 % | ME-XRF26 Total % |
|----------------------------|--------------------------|------------------|----------------|----------------|------------------|------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------------|------------------|
| <b>STANDARDS</b>           |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| AMIS0343                   |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| AMIS0547                   |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 38.16                |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 36.19                |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 40.02                |                  |
| DS-1                       |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| EMOG-17                    |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| GS310-10                   |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| GS313-8                    |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| MA-1b                      |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| MRGeo08                    |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| MRGeo08                    |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 146                  |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 218                  |                          | 13.30            | 0.02           | 9.91           | 0.03             | 11.97            | 0.23           | 7.04           | 0.19           | 2.95            | 0.10            | 48.53           | 0.01           | 1.10            |                      | 95.84            |
| Target Range - Lower Bound |                          | 13.04            | <0.01          | 9.73           | <0.01            | 11.63            | 0.20           | 6.81           | 0.16           | 2.75            | 0.07            | 48.02           | <0.01          | 1.04            |                      | <0.01            |
| Upper Bound                |                          | 13.96            | 0.04           | 10.45          | 0.05             | 12.47            | 0.26           | 7.39           | 0.22           | 3.05            | 0.13            | 50.38           | 0.03           | 1.20            |                      | 0.02             |
| OREAS 220                  |                          | 13.65            | 0.02           | 9.63           | 0.04             | 11.42            | 0.46           | 7.23           | 0.17           | 2.78            | 0.18            | 50.26           | 0.03           | 1.28            |                      | 97.61            |
| Target Range - Lower Bound |                          | 13.12            | <0.01          | 9.28           | 0.02             | 11.00            | 0.42           | 6.92           | 0.14           | 2.60            | 0.15            | 49.10           | <0.01          | 1.19            |                      | <0.01            |
| Upper Bound                |                          | 14.04            | 0.05           | 10.00          | 0.06             | 11.80            | 0.51           | 7.50           | 0.20           | 2.90            | 0.21            | 51.50           | 0.05           | 1.37            |                      | 0.02             |
| OREAS 501b                 |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064097**

| Sample Description         | Method<br>Analyte<br>Units<br>LOD | ME-MS81<br>Ba<br>ppm<br>0.5 | ME-MS81<br>Ce<br>ppm<br>0.1 | ME-MS81<br>Cr<br>ppm<br>10 | ME-MS81<br>Cs<br>ppm<br>0.01 | ME-MS81<br>Dy<br>ppm<br>0.05 | ME-MS81<br>Er<br>ppm<br>0.03 | ME-MS81<br>Eu<br>ppm<br>0.02 | ME-MS81<br>Ga<br>ppm<br>0.1 | ME-MS81<br>Gd<br>ppm<br>0.05 | ME-MS81<br>Ge<br>ppm<br>5 | ME-MS81<br>Hf<br>ppm<br>0.1 | ME-MS81<br>Ho<br>ppm<br>0.01 | ME-MS81<br>La<br>ppm<br>0.1 | ME-MS81<br>Lu<br>ppm<br>0.01 | ME-MS81<br>Nb<br>ppm<br>0.1 |
|----------------------------|-----------------------------------|-----------------------------|-----------------------------|----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|------------------------------|---------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|-----------------------------|
| <b>STANDARDS</b>           |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| AMIS0343                   |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| AMIS0547                   |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| DS-1                       |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| EMOG-17                    |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| GS310-10                   |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| GS313-8                    |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| MA-1b                      |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| MRGeo08                    |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| MRGeo08                    |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| OREAS 146                  |                                   | >10000                      | 4630                        | 170                        | 0.51                         | 213                          | 80.0                         | 123.0                        | 24.6                        | 325                          | <5                        | 3.8                         | 34.6                         | 2460                        | 5.79                         | 363                         |
| Target Range - Lower Bound |                                   | 11450                       | 4220                        | 160                        | 0.47                         | 202                          | 78.3                         | 114.5                        | 26.2                        | 323                          | <5                        | 3.7                         | 33.1                         | 2260                        | 5.66                         | 349                         |
| Upper Bound                |                                   | >10000                      | 5160                        | 220                        | 0.59                         | 246                          | 95.7                         | 139.5                        | 32.2                        | 395                          | 15                        | 4.7                         | 40.5                         | 2760                        | 6.94                         | 427                         |
| OREAS 218                  |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| OREAS 220                  |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| OREAS 501b                 |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064097**

| Sample Description         | Method Analyte Units LOD | ME-MS81<br>Nd<br>ppm<br>0.1 | ME-MS81<br>Pr<br>ppm<br>0.02 | ME-MS81<br>Rb<br>ppm<br>0.2 | ME-MS81<br>Sm<br>ppm<br>0.03 | ME-MS81<br>Sn<br>ppm<br>1 | ME-MS81<br>Sr<br>ppm<br>0.1 | ME-MS81<br>Ta<br>ppm<br>0.1 | ME-MS81<br>Tb<br>ppm<br>0.01 | ME-MS81<br>Th<br>ppm<br>0.05 | ME-MS81<br>Tm<br>ppm<br>0.01 | ME-MS81<br>U<br>ppm<br>0.05 | ME-MS81<br>V<br>ppm<br>5 | ME-MS81<br>W<br>ppm<br>1 | ME-MS81<br>Y<br>ppm<br>0.1 | ME-MS81<br>Yb<br>ppm<br>0.03 |
|----------------------------|--------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|---------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|--------------------------|--------------------------|----------------------------|------------------------------|
| <b>STANDARDS</b>           |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| AMIS0343                   |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| AMIS0547                   |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| DS-1                       |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| EMOG-17                    |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| GS310-10                   |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| GS313-8                    |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| MA-1b                      |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| MRGeo08                    |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| MRGeo08                    |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| OREAS 146                  |                          | 2120                        | 513                          | 25.1                        | 427                          | 43                        | 2920                        | 3.6                         | 43.1                         | 871                          | 9.23                         | 2.40                        | 157                      | 26                       | 892                        | 49.0                         |
| Target Range - Lower Bound |                          | 1965                        | 493                          | 23.7                        | 397                          | 40                        | 2790                        | 3.6                         | 42.5                         | 813                          | 8.90                         | 2.37                        | 140                      | 25                       | 814                        | 48.1                         |
| Upper Bound                |                          | 2400                        | 603                          | 29.5                        | 485                          | 52                        | 3410                        | 4.6                         | 51.9                         | 993                          | 10.90                        | 3.01                        | 182                      | 33                       | 996                        | 58.9                         |
| OREAS 218                  |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| OREAS 220                  |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| OREAS 501b                 |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064097**

| Sample Description         | Method<br>Analyte<br>Units<br>LOD | ME-MS81   | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-MS42   | ME-MS42   | ME-MS42   | ME-MS42   |           |
|----------------------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                            |                                   | Zr<br>ppm | Ag<br>ppm | Cd<br>ppm | Co<br>ppm | Cu<br>ppm | Li<br>ppm | Mo<br>ppm | Ni<br>ppm | Pb<br>ppm | Sc<br>ppm | Zn<br>ppm | As<br>ppm | Bi<br>ppm | Hg<br>ppm | In<br>ppm |
|                            |                                   | 2         | 0.5       | 0.5       | 1         | 1         | 10        | 1         | 1         | 2         | 1         | 2         | 0.1       | 0.01      | 0.005     | 0.005     |
| <b>STANDARDS</b>           |                                   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| AMIS0343                   |                                   | <0.5      | <0.5      | 2         | 52        | 6960      | 3         | 12        | 7         | <1        | 79        |           |           |           |           |           |
| Target Range - Lower Bound |                                   | <0.5      | <0.5      | <1        | 47        | 6300      | <1        | 11        | <2        | <1        | 70        |           |           |           |           |           |
| Upper Bound                |                                   | 1.1       | 1.0       | 5         | 56        | 7730      | 6         | 17        | 10        | 2         | 90        |           |           |           |           |           |
| AMIS0547                   |                                   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| Target Range - Lower Bound |                                   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| Upper Bound                |                                   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| DS-1                       |                                   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| Target Range - Lower Bound |                                   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| Upper Bound                |                                   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| EMOG-17                    |                                   | 66.9      | 19.9      | 750       | 8330      | 30        | 1075      | 7680      | 7270      | 8         | 7490      |           |           |           |           |           |
| Target Range - Lower Bound |                                   | 60.4      | 17.7      | 685       | 7740      | <10       | 996       | 6820      | 6570      | 6         | 6800      |           |           |           |           |           |
| Upper Bound                |                                   | 75.0      | 22.7      | 839       | 8910      | 50        | 1220      | 8330      | 8030      | 10        | 8320      |           |           |           |           |           |
| GS310-10                   |                                   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| Target Range - Lower Bound |                                   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| Upper Bound                |                                   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| GS313-8                    |                                   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| Target Range - Lower Bound |                                   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| Upper Bound                |                                   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| MA-1b                      |                                   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| Target Range - Lower Bound |                                   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| Upper Bound                |                                   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| MRGeo08                    |                                   | 4.5       | 2.2       | 19        | 643       | 40        | 14        | 709       | 1070      | 11        | 813       |           |           |           |           |           |
| Target Range - Lower Bound |                                   | 3.2       | 1.1       | 17        | 586       | <10       | 12        | 621       | 969       | 10        | 722       |           |           |           |           |           |
| Upper Bound                |                                   | 5.6       | 3.4       | 23        | 676       | 50        | 18        | 761       | 1190      | 15        | 886       |           |           |           |           |           |
| MRGeo08                    |                                   |           |           |           |           |           |           |           |           |           |           | 33.7      | 0.66      | 0.061     | 0.141     |           |
| Target Range - Lower Bound |                                   |           |           |           |           |           |           |           |           |           |           | 29.6      | 0.58      | 0.045     | 0.137     |           |
| Upper Bound                |                                   |           |           |           |           |           |           |           |           |           |           | 36.4      | 0.73      | 0.077     | 0.179     |           |
| OREAS 146                  |                                   | 220       |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| Target Range - Lower Bound |                                   | 204       |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| Upper Bound                |                                   | 254       |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| OREAS 218                  |                                   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| Target Range - Lower Bound |                                   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| Upper Bound                |                                   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| OREAS 220                  |                                   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| Target Range - Lower Bound |                                   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| Upper Bound                |                                   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| OREAS 501b                 |                                   |           |           |           |           |           |           |           |           |           |           | 18.3      | 1.52      | 0.013     | 0.182     |           |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064097**

| Sample Description         | Method Analyte Units LOD | ME-MS42<br>Re<br>ppm<br>0.001 | ME-MS42<br>Sb<br>ppm<br>0.05 | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02 | S-IR08<br>S<br>%<br>0.01 | C-IR07<br>C<br>%<br>0.01 |
|----------------------------|--------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------|--------------------------|
| <b>STANDARDS</b>           |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| AMIS0343                   |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| AMIS0547                   |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| DS-1                       |                          |                               |                              |                             |                             |                              | 2.58                         |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              | 2.51                         |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              | 2.71                         |                          |                          |
| EMOG-17                    |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| GS310-10                   |                          |                               |                              |                             |                             |                              | 0.26                         | 1.08                     |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              | 0.25                         | 1.03                     |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              | 0.29                         | 1.13                     |                          |
| GS313-8                    |                          |                               |                              |                             |                             |                              | 1.23                         |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              | 1.19                         |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              | 1.29                         |                          |                          |
| MA-1b                      |                          |                               |                              |                             |                             |                              |                              | 2.49                     |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              | 2.34                     |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              | 2.54                     |                          |
| MGeo08                     |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| MGeo08                     |                          | 0.008                         | 3.17                         | 7.0                         | 0.8                         | 0.02                         | 0.80                         |                          |                          |
| Target Range - Lower Bound |                          | 0.006                         | 2.80                         | 6.7                         | 0.6                         | <0.01                        | 0.64                         |                          |                          |
| Upper Bound                |                          | 0.010                         | 3.90                         | 8.4                         | 1.5                         | 0.04                         | 0.92                         |                          |                          |
| OREAS 146                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 218                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 220                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 501b                 |                          | 0.002                         | 0.44                         | 6.5                         | 2.6                         | 0.06                         | 0.66                         |                          |                          |





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064097**

| Sample Description         | Method Analyte Units LOD | ME-XRF26 Al2O3 % | ME-XRF26 BaO % | ME-XRF26 CaO % | ME-XRF26 Cr2O3 % | ME-XRF26 Fe2O3 % | ME-XRF26 K2O % | ME-XRF26 MgO % | ME-XRF26 MnO % | ME-XRF26 Na2O % | ME-XRF26 P2O5 % | ME-XRF26 SiO2 % | ME-XRF26 SrO % | ME-XRF26 TiO2 % | OA-GRA05x LOI 1000 % | ME-XRF26 Total % |
|----------------------------|--------------------------|------------------|----------------|----------------|------------------|------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------------|------------------|
| <b>STANDARDS</b>           |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Upper Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 602                  |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Upper Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS-45e                  |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 8.86                 |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 8.11                 |                  |
| Target Range - Upper Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 8.99                 |                  |
| SY-4                       |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Upper Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| <b>BLANKS</b>              |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Upper Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Upper Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          | <0.01            | <0.01          | <0.01          | <0.01            | <0.01            | <0.01          | <0.01          | <0.01          | <0.01           | <0.01           | 99.48           | <0.01          | <0.01           |                      | 99.48            |
| Target Range - Upper Bound |                          | <0.01            | <0.01          | <0.01          | <0.01            | <0.01            | <0.01          | <0.01          | <0.01          | <0.01           | <0.01           | <0.01           | <0.01          | <0.01           |                      | <0.01            |
| BLANK                      |                          | 0.02             | 0.02           | 0.02           | 0.02             | 0.02             | 0.02           | 0.02           | 0.02           | 0.02            | 0.02            | 0.02            | 0.02           | 0.02            |                      | 0.02             |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 0.02                 |                  |
| Target Range - Upper Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | <0.01                |                  |
| BLANK                      |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 0.02                 |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | <0.01                |                  |
| Target Range - Upper Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 0.02                 |                  |
| BLANK                      |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Upper Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064097**

| Sample Description         | Method Analyte Units LOD | ME-MS81 Ba ppm 0.5 | ME-MS81 Ce ppm 0.1 | ME-MS81 Cr ppm 10 | ME-MS81 Cs ppm 0.01 | ME-MS81 Dy ppm 0.05 | ME-MS81 Er ppm 0.03 | ME-MS81 Eu ppm 0.02 | ME-MS81 Ga ppm 0.1 | ME-MS81 Gd ppm 0.05 | ME-MS81 Ge ppm 5 | ME-MS81 Hf ppm 0.1 | ME-MS81 Ho ppm 0.01 | ME-MS81 La ppm 0.1 | ME-MS81 Lu ppm 0.01 | ME-MS81 Nb ppm 0.1 |
|----------------------------|--------------------------|--------------------|--------------------|-------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|------------------|--------------------|---------------------|--------------------|---------------------|--------------------|
| <b>STANDARDS</b>           |                          |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                          |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                          |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| OREAS 602                  |                          |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                          |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                          |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| OREAS-45e                  |                          |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                          |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                          |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| SY-4                       |                          | 347                | 125.5              | 10                | 1.60                | 19.70               | 15.60               | 1.95                | 37.9               | 15.40               | <5               | 12.1               | 4.65                | 59.3               | 2.26                | 13.6               |
| Target Range - Lower Bound |                          | 306                | 109.5              | <10               | 1.34                | 16.35               | 12.75               | 1.78                | 33.1               | 12.55               | <5               | 9.9                | 3.86                | 52.1               | 1.88                | 11.6               |
| Upper Bound                |                          | 375                | 134.5              | 30                | 1.66                | 20.1                | 15.65               | 2.22                | 40.7               | 15.45               | 12               | 12.3               | 4.74                | 63.9               | 2.32                | 14.4               |
| <b>BLANKS</b>              |                          |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| BLANK                      |                          |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| BLANK                      |                          |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                          |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                          |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| BLANK                      |                          |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| BLANK                      |                          |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                          |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                          |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| BLANK                      |                          | 0.6                | 0.1                | <10               | <0.01               | <0.05               | <0.03               | <0.02               | <0.1               | <0.05               | <5               | <0.1               | <0.01               | <0.1               | <0.01               | <0.1               |
| Target Range - Lower Bound |                          | <0.5               | <0.1               | <10               | <0.01               | <0.05               | <0.03               | <0.02               | <0.1               | <0.05               |                  | <0.1               | <0.01               | <0.1               | <0.01               | <0.1               |
| Upper Bound                |                          | 1.0                | 0.2                | 20                | 0.02                | 0.10                | 0.06                | 0.04                | 0.2                | 0.10                |                  | 0.2                | 0.02                | 0.2                | 0.02                | 0.2                |
| BLANK                      |                          |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                          |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                          |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| BLANK                      |                          |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| BLANK                      |                          |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                          |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                          |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064097**

| Sample Description         | Method | Analyte | Units | LOD | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |     |     |       |       |
|----------------------------|--------|---------|-------|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----|-----|-------|-------|
|                            |        |         |       |     | Nd      | Pr      | Rb      | Sm      | Sn      | Sr      | Ta      | Tb      | Th      | Tm      | U       | V   | W   | Y     | Yb    |
|                            |        |         |       |     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm | ppm | ppm   | ppm   |
|                            |        |         |       |     | 0.1     | 0.02    | 0.2     | 0.03    | 1       | 0.1     | 0.1     | 0.01    | 0.05    | 0.01    | 0.05    | 5   | 1   | 0.1   | 0.03  |
| <b>STANDARDS</b>           |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |       |       |
| Target Range - Lower Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |       |       |
| Upper Bound                |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |       |       |
| OREAS 602                  |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |       |       |
| Target Range - Lower Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |       |       |
| Upper Bound                |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |       |       |
| OREAS-45e                  |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |       |       |
| Target Range - Lower Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |       |       |
| Upper Bound                |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |       |       |
| SY-4                       |        |         |       |     | 60.6    | 15.30   | 56.4    | 13.20   | 8       | 1255    | 0.8     | 2.86    | 1.21    | 2.52    | 0.84    | 8   | 1   | 123.5 | 16.15 |
| Target Range - Lower Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |       |       |
| Upper Bound                |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |       |       |
|                            |        |         |       |     | 51.2    | 13.50   | 49.3    | 11.40   | 6       | 1070    | 0.7     | 2.33    | 1.11    | 2.06    | 0.66    | <5  | <1  | 107.0 | 13.30 |
|                            |        |         |       |     | 62.8    | 16.50   | 60.7    | 14.00   | 10      | 1310    | 1.1     | 2.87    | 1.47    | 2.54    | 0.94    | 18  | 3   | 131.0 | 16.30 |
| <b>BLANKS</b>              |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |       |       |
| BLANK                      |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |       |       |
| BLANK                      |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |       |       |
| Target Range - Lower Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |       |       |
| Upper Bound                |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |       |       |
| BLANK                      |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |       |       |
| Target Range - Lower Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |       |       |
| Upper Bound                |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |       |       |
| BLANK                      |        |         |       |     | <0.1    | <0.02   | <0.2    | <0.03   | <1      | <0.1    | <0.1    | <0.01   | <0.05   | <0.01   | <0.05   | 5   | <1  | <0.1  | <0.03 |
| Target Range - Lower Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |       |       |
| Upper Bound                |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |       |       |
|                            |        |         |       |     | <0.1    | <0.02   | <0.2    | <0.03   | <1      | <0.1    | <0.1    | <0.01   | <0.05   | <0.01   | <0.05   | <5  | <1  | <0.1  | <0.03 |
|                            |        |         |       |     | 0.2     | 0.04    | 0.4     | 0.06    | 2       | 0.2     | 0.2     | 0.02    | 0.10    | 0.02    | 0.10    | 10  | 2   | 0.2   | 0.06  |
| BLANK                      |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |       |       |
| Target Range - Lower Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |       |       |
| Upper Bound                |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |       |       |
| BLANK                      |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |       |       |
| Target Range - Lower Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |       |       |
| Upper Bound                |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |       |       |
| BLANK                      |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |       |       |
| BLANK                      |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |       |       |
| Target Range - Lower Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |       |       |
| Upper Bound                |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |       |       |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM20064097**

| Method Analyte Units LOD   | ME-MS81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 |
|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|---------|---------|
| Sample Description         | Zr ppm  | Ag ppm    | Cd ppm    | Co ppm    | Cu ppm    | Li ppm    | Mo ppm    | Ni ppm    | Pb ppm    | Sc ppm    | Zn ppm    | As ppm    | Bi ppm  | Hg ppm  | In ppm  |         |
|                            | 2       | 0.5       | 0.5       | 1         | 1         | 10        | 1         | 1         | 2         | 1         | 2         | 0.1       | 0.01    | 0.005   | 0.005   |         |
| <b>STANDARDS</b>           |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |           | 16.9    | 1.43    | 0.006   |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |           | 20.9    | 1.77    | 0.030   |         |
| OREAS 602                  |         | >100      | 25.5      | 9         | 5170      | 20        | 4         | 62        | 1030      | 4         | 4090      |           |         |         |         |         |
| Target Range - Lower Bound |         | 107.5     | 21.7      | 7         | 4790      | <10       | 2         | 53        | 918       | 2         | 3770      |           |         |         |         |         |
| Upper Bound                |         | 100.0     | 27.7      | 12        | 5510      | 40        | 7         | 67        | 1125      | 6         | 4610      |           |         |         |         |         |
| OREAS-45e                  |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| SY-4                       | 661     |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound | 543     |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                | 668     |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| <b>BLANKS</b>              |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| BLANK                      |         | <0.5      | <0.5      | <1        | <1        | <10       | <1        | <1        | <2        | <1        | <2        |           |         |         |         |         |
| BLANK                      |         | <0.5      | <0.5      | 1         | 2         | <10       | 1         | 2         | 2         | <1        | <2        |           |         |         |         |         |
| Target Range - Lower Bound |         | <0.5      | <0.5      | <1        | <1        |           | <1        | <1        | <2        |           | <2        |           |         |         |         |         |
| Upper Bound                |         | 1.0       | 1.0       | 2         | 2         |           | 2         | 2         | 4         |           | 4         |           |         |         |         |         |
| BLANK                      |         |           |           |           |           |           |           |           |           |           |           | <0.1      | <0.01   | <0.005  | <0.005  |         |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           | <0.1      | <0.01   | <0.005  | <0.005  |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           | 0.2       | 0.02    | 0.010   | 0.010   |         |
| BLANK                      | <2      |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound | <2      |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                | 4       |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| BLANK                      |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| BLANK                      |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| BLANK                      |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |           |         |         |         |         |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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**QC CERTIFICATE OF ANALYSIS TM20064097**

| Sample Description         | Method Analyte Units LOD | ME-MS42<br>Re<br>ppm<br>0.001 | ME-MS42<br>Sb<br>ppm<br>0.05 | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02 | S-IR08<br>S<br>%<br>0.01 | C-IR07<br>C<br>%<br>0.01 |
|----------------------------|--------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------|--------------------------|
| <b>STANDARDS</b>           |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          | 0.34                          | 6.3                          | 2.2                         | 0.05                        | 0.57                         |                              |                          |                          |
| Upper Bound                |                          | 0.64                          | 7.9                          | 3.3                         | 0.10                        | 0.81                         |                              |                          |                          |
| OREAS 602                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS-45e                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| SY-4                       |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| <b>BLANKS</b>              |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          | <0.001                        | <0.05                        | <0.1                        | <0.2                        | <0.01                        | <0.02                        |                          |                          |
| Target Range - Lower Bound |                          | <0.001                        | <0.05                        | <0.1                        | <0.2                        | <0.01                        | <0.02                        |                          |                          |
| Upper Bound                |                          | 0.002                         | 0.10                         | 0.2                         | 0.4                         | 0.02                         | 0.04                         |                          |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              | <0.01                    | <0.01                    |
| BLANK                      |                          |                               |                              |                             |                             |                              |                              | 0.01                     |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              | <0.01                    |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              | 0.02                     |                          |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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| Method Analyte Units LOD                                     | ME-XRF26 Al2O3 %                 | ME-XRF26 BaO %                | ME-XRF26 CaO %                   | ME-XRF26 Cr2O3 %              | ME-XRF26 Fe2O3 %                 | ME-XRF26 K2O %               | ME-XRF26 MgO %               | ME-XRF26 MnO %               | ME-XRF26 Na2O %              | ME-XRF26 P2O5 %              | ME-XRF26 SiO2 %                  | ME-XRF26 SrO %                | ME-XRF26 TiO2 %              | OA-GRA05x LOI 1000 %             | ME-XRF26 Total %                   |
|--------------------------------------------------------------|----------------------------------|-------------------------------|----------------------------------|-------------------------------|----------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|----------------------------------|-------------------------------|------------------------------|----------------------------------|------------------------------------|
| Sample Description                                           | 0.01                             | 0.01                          | 0.01                             | 0.01                          | 0.01                             | 0.01                         | 0.01                         | 0.01                         | 0.01                         | 0.01                         | 0.01                             | 0.01                          | 0.01                         | 0.01                             | 0.01                               |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound | <b>DUPLICATES</b>                |                               |                                  |                               |                                  |                              |                              |                              |                              |                              |                                  |                               |                              |                                  |                                    |
| W935118<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                                  |                               |                                  |                               |                                  |                              |                              |                              |                              |                              |                                  |                               |                              | 16.27<br>16.30<br>15.87<br>16.70 |                                    |
| W935138<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                                  |                               |                                  |                               |                                  |                              |                              |                              |                              |                              |                                  |                               |                              |                                  |                                    |
| W935632<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  | 15.07<br>15.14<br>14.87<br>15.34 | 0.01<br>0.01<br><0.01<br>0.02 | 11.70<br>11.75<br>11.55<br>11.90 | 0.01<br>0.01<br><0.01<br>0.02 | 11.10<br>11.16<br>10.95<br>11.31 | 0.17<br>0.17<br>0.16<br>0.18 | 4.27<br>4.25<br>4.19<br>4.33 | 0.26<br>0.26<br>0.24<br>0.28 | 1.80<br>1.80<br>1.75<br>1.86 | 0.14<br>0.14<br>0.13<br>0.15 | 48.33<br>48.48<br>47.67<br>49.14 | 0.02<br>0.02<br><0.01<br>0.03 | 1.64<br>1.64<br>1.59<br>1.69 |                                  | 99.74<br>100.05<br>98.89<br>100.90 |
| W935638<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                                  |                               |                                  |                               |                                  |                              |                              |                              |                              |                              |                                  |                               |                              |                                  |                                    |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                                  |                               |                                  |                               |                                  |                              |                              |                              |                              |                              |                                  |                               |                              |                                  |                                    |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                                  |                               |                                  |                               |                                  |                              |                              |                              |                              |                              |                                  |                               |                              |                                  |                                    |
|                                                              |                                  |                               |                                  |                               |                                  |                              |                              |                              |                              |                              |                                  |                               |                              |                                  |                                    |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064097**

| Method Analyte Units LOD                                     | ME-MS81<br>Ba<br>ppm<br>0.5  | ME-MS81<br>Ce<br>ppm<br>0.1  | ME-MS81<br>Cr<br>ppm<br>10 | ME-MS81<br>Cs<br>ppm<br>0.01 | ME-MS81<br>Dy<br>ppm<br>0.05 | ME-MS81<br>Er<br>ppm<br>0.03 | ME-MS81<br>Eu<br>ppm<br>0.02 | ME-MS81<br>Ga<br>ppm<br>0.1  | ME-MS81<br>Gd<br>ppm<br>0.05 | ME-MS81<br>Ge<br>ppm<br>5 | ME-MS81<br>Hf<br>ppm<br>0.1 | ME-MS81<br>Ho<br>ppm<br>0.01 | ME-MS81<br>La<br>ppm<br>0.1 | ME-MS81<br>Lu<br>ppm<br>0.01 | ME-MS81<br>Nb<br>ppm<br>0.1 |
|--------------------------------------------------------------|------------------------------|------------------------------|----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|---------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|-----------------------------|
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound | <b>DUPLICATES</b>            |                              |                            |                              |                              |                              |                              |                              |                              |                           |                             |                              |                             |                              |                             |
| W935118<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                              |                              |                            |                              |                              |                              |                              |                              |                              |                           |                             |                              |                             |                              |                             |
| W935138<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                              |                              |                            |                              |                              |                              |                              |                              |                              |                           |                             |                              |                             |                              |                             |
| W935632<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  | 78.5<br>73.7<br>71.8<br>80.4 | 14.6<br>15.4<br>14.2<br>15.9 | 110<br>110<br>90<br>130    | 0.15<br>0.13<br>0.12<br>0.16 | 6.47<br>6.24<br>5.99<br>6.72 | 3.63<br>3.69<br>3.45<br>3.87 | 1.37<br>1.41<br>1.30<br>1.48 | 21.9<br>22.1<br>20.8<br>23.2 | 5.55<br>5.38<br>5.14<br>5.79 | <5<br><5<br><5<br>10      | 3.2<br>3.1<br>2.9<br>3.4    | 1.25<br>1.33<br>1.22<br>1.36 | 5.7<br>6.1<br>5.5<br>6.3    | 0.50<br>0.55<br>0.49<br>0.56 | 4.9<br>4.6<br>4.4<br>5.1    |
| W935638<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                              |                              |                            |                              |                              |                              |                              |                              |                              |                           |                             |                              |                             |                              |                             |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                              |                              |                            |                              |                              |                              |                              |                              |                              |                           |                             |                              |                             |                              |                             |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                              |                              |                            |                              |                              |                              |                              |                              |                              |                           |                             |                              |                             |                              |                             |
|                                                              |                              |                              |                            |                              |                              |                              |                              |                              |                              |                           |                             |                              |                             |                              |                             |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Finalized Date: 3-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064097**

| Method Analyte Units LOD                                     | ME-MS81                      | ME-MS81                      | ME-MS81                  | ME-MS81                      | ME-MS81           | ME-MS81                          | ME-MS81                  | ME-MS81                      | ME-MS81                      | ME-MS81                      | ME-MS81                      | ME-MS81                  | ME-MS81             | ME-MS81                      | ME-MS81                      |
|--------------------------------------------------------------|------------------------------|------------------------------|--------------------------|------------------------------|-------------------|----------------------------------|--------------------------|------------------------------|------------------------------|------------------------------|------------------------------|--------------------------|---------------------|------------------------------|------------------------------|
| Sample Description                                           | Nd ppm                       | Pr ppm                       | Rb ppm                   | Sm ppm                       | Sn ppm            | Sr ppm                           | Ta ppm                   | Tb ppm                       | Th ppm                       | Tm ppm                       | U ppm                        | V ppm                    | W ppm               | Y ppm                        | Yb ppm                       |
|                                                              | 0.1                          | 0.02                         | 0.2                      | 0.03                         | 1                 | 0.1                              | 0.1                      | 0.01                         | 0.05                         | 0.01                         | 0.05                         | 5                        | 1                   | 0.1                          | 0.03                         |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound | <b>DUPLICATES</b>            |                              |                          |                              |                   |                                  |                          |                              |                              |                              |                              |                          |                     |                              |                              |
| W935118<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                              |                              |                          |                              |                   |                                  |                          |                              |                              |                              |                              |                          |                     |                              |                              |
| W935138<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                              |                              |                          |                              |                   |                                  |                          |                              |                              |                              |                              |                          |                     |                              |                              |
| W935632<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  | 13.4<br>13.1<br>12.5<br>14.0 | 2.39<br>2.35<br>2.23<br>2.51 | 4.1<br>4.1<br>3.7<br>4.5 | 4.21<br>4.22<br>3.97<br>4.46 | 1<br>1<br><1<br>2 | 172.5<br>171.5<br>163.5<br>180.5 | 0.3<br>0.3<br>0.2<br>0.4 | 0.99<br>0.93<br>0.90<br>1.02 | 0.35<br>0.44<br>0.33<br>0.46 | 0.64<br>0.57<br>0.56<br>0.65 | 0.15<br>0.09<br>0.06<br>0.18 | 436<br>433<br>408<br>461 | <1<br><1<br><1<br>2 | 35.9<br>35.7<br>33.9<br>37.7 | 3.73<br>3.89<br>3.59<br>4.03 |
| W935638<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                              |                              |                          |                              |                   |                                  |                          |                              |                              |                              |                              |                          |                     |                              |                              |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                              |                              |                          |                              |                   |                                  |                          |                              |                              |                              |                              |                          |                     |                              |                              |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                              |                              |                          |                              |                   |                                  |                          |                              |                              |                              |                              |                          |                     |                              |                              |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                              |                              |                          |                              |                   |                                  |                          |                              |                              |                              |                              |                          |                     |                              |                              |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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To: HIGHGOLD MINING  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064097**

| Sample Description                                           | Method Analyte Units LOD | ME-MS81<br>Zr<br>ppm<br>2   | ME-4ACD81<br>Ag<br>ppm<br>0.5 | ME-4ACD81<br>Cd<br>ppm<br>0.5 | ME-4ACD81<br>Co<br>ppm<br>1 | ME-4ACD81<br>Cu<br>ppm<br>1 | ME-4ACD81<br>Li<br>ppm<br>10 | ME-4ACD81<br>Mo<br>ppm<br>1 | ME-4ACD81<br>Ni<br>ppm<br>1 | ME-4ACD81<br>Pb<br>ppm<br>2 | ME-4ACD81<br>Sc<br>ppm<br>1 | ME-4ACD81<br>Zn<br>ppm<br>2 | ME-MS42<br>As<br>ppm<br>0.1 | ME-MS42<br>Bi<br>ppm<br>0.01  | ME-MS42<br>Hg<br>ppm<br>0.005       | ME-MS42<br>In<br>ppm<br>0.005    |
|--------------------------------------------------------------|--------------------------|-----------------------------|-------------------------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------------------------|-------------------------------------|----------------------------------|
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | <b>DUPLICATES</b>           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                               |                                     |                                  |
| W935118<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                             |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                               |                                     |                                  |
| W935138<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                             |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 0.1<br>1.1<br>0.5<br>0.7    | 0.02<br>0.02<br><0.01<br>0.03 | <0.005<br><0.005<br><0.005<br>0.010 | 0.025<br>0.024<br>0.018<br>0.031 |
| W935632<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | 112<br>111<br>104<br>119    |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                               |                                     |                                  |
| W935638<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | <0.5<br><0.5<br><0.5<br>1.0 | <0.5<br><0.5<br><0.5<br>1.0   | 56<br>56<br>52<br>60          | 120<br>120<br>115<br>125    | 20<br>20<br><10<br>30       | <1<br><1<br><1<br>2          | 75<br>76<br>71<br>80        | <2<br>5<br><2<br>4          | 48<br>47<br>44<br>51        | 131<br>130<br>122<br>139    |                             |                             |                               |                                     |                                  |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                               |                                     |                                  |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | <0.5<br><0.5<br><0.5<br>1.0 | <0.5<br><0.5<br><0.5<br>1.0   | 18<br>19<br>17<br>20          | 60<br>64<br>59<br>65        | 30<br>30<br>20<br>40        | 1<br>1<br><1<br>2            | 46<br>49<br>44<br>51        | 3<br>5<br><2<br>6           | 14<br>14<br>12<br>16        | 67<br>71<br>64<br>74        |                             |                             |                               |                                     |                                  |
|                                                              |                          |                             |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                               |                                     |                                  |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

|                                   |                   |
|-----------------------------------|-------------------|
| <b>QC CERTIFICATE OF ANALYSIS</b> | <b>TM20064097</b> |
|-----------------------------------|-------------------|

| Sample Description         | Method Analyte Units LOD | ME-MS42<br>Re<br>ppm<br>0.001 | ME-MS42<br>Sb<br>ppm<br>0.05 | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02 | S-IR08<br>S<br>%<br>0.01 | C-IR07<br>C<br>%<br>0.01 |
|----------------------------|--------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------|--------------------------|
| <b>DUPLICATES</b>          |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| ORIGINAL                   |                          |                               |                              |                             |                             |                              |                              | 1.20                     | 1.05                     |
| DUP                        |                          |                               |                              |                             |                             |                              |                              | 1.18                     | 1.05                     |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              | 1.15                     | 1.01                     |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              | 1.23                     | 1.09                     |
| W935118                    |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| DUP                        |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| W935138                    |                          | 0.001                         | <0.05                        | 19.4                        | 0.4                         | 0.02                         | <0.02                        |                          |                          |
| DUP                        |                          | 0.001                         | <0.05                        | 19.3                        | <0.2                        | 0.02                         | <0.02                        |                          |                          |
| Target Range - Lower Bound |                          | <0.001                        | <0.05                        | 18.3                        | <0.2                        | <0.01                        | <0.02                        |                          |                          |
| Upper Bound                |                          | 0.002                         | 0.10                         | 20.4                        | 0.4                         | 0.03                         | 0.04                         |                          |                          |
| W935632                    |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| DUP                        |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| W935638                    |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| DUP                        |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| ORIGINAL                   |                          |                               |                              |                             |                             |                              |                              | 0.45                     |                          |
| DUP                        |                          |                               |                              |                             |                             |                              |                              | 0.46                     |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              | 0.43                     |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              | 0.48                     |                          |
| ORIGINAL                   |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| DUP                        |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |



ALS Canada Ltd.  
2103 Dollarton Hwy  
North Vancouver BC V7H 0A7  
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**800 WEST PENDER ST, 320**  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064097**

### CERTIFICATE COMMENTS

#### LABORATORY ADDRESSES

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
C-IR07 FND-02 ME-4ACD81  
ME-MS81 ME-XRF26 OA-GRA05x

ME-MS42  
S-IR08



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

**CERTIFICATE TM20064373**

Project: Golden Perimeter  
 P.O. No.: GP20-04  
 This report is for 246 Drill Core samples submitted to our lab in Timmins, ON, Canada on 18-MAR-2020.  
 The following have access to data associated with this certificate:

|                              |              |              |
|------------------------------|--------------|--------------|
| IAN DUNLOP<br>CONOR MCKINLEY | DARWIN GREEN | NEAL MAGUIRE |
|------------------------------|--------------|--------------|

| SAMPLE PREPARATION |                                 |
|--------------------|---------------------------------|
| ALS CODE           | DESCRIPTION                     |
| WEI-21             | Received Sample Weight          |
| LOG-21             | Sample logging - ClientBarCode  |
| CRU-QC             | Crushing QC Test                |
| PUL-QC             | Pulverizing QC Test             |
| CRU-31             | Fine crushing - 70% <2mm        |
| SPL-21             | Split sample - riffle splitter  |
| PUL-31             | Pulverize up to 250g 85% <75 um |
| LOG-23             | Pulp Login - Rcvd with Barcode  |

| ANALYTICAL PROCEDURES |                               |            |
|-----------------------|-------------------------------|------------|
| ALS CODE              | DESCRIPTION                   | INSTRUMENT |
| ME-ICP61              | 33 element four acid ICP-AES  | ICP-AES    |
| Au-AA26               | Ore Grade Au 50g FA AA finish | AAS        |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

**Signature:**   
 Saa Traxler, General Manager, North Vancouver



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description | Method  | WEI-21    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |     |
|--------------------|---------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|
|                    | Analyte | Recvd Wt. | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga  |
|                    | Units   | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm |
|                    | LOD     | 0.02      | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10  |
| W935155            |         | 3.02      | <0.01   | <0.5     | 8.32     | <5       | 2430     | 5.7      | <2       | 2.01     | <0.5     | 17       | 93       | 59       | 4.01     | 20  |
| W935156            |         | 0.78      | <0.01   | <0.5     | 8.27     | <5       | 2080     | 5.3      | <2       | 1.89     | <0.5     | 16       | 73       | 21       | 3.55     | 20  |
| W935157            |         | 1.70      | <0.01   | <0.5     | 4.49     | <5       | 210      | 1.1      | <2       | 4.86     | 0.7      | 77       | 1420     | 45       | 7.98     | 10  |
| W935158            |         | 1.68      | <0.01   | <0.5     | 5.23     | <5       | 750      | 1.0      | 3        | 4.52     | 0.7      | 69       | 1080     | 106      | 8.25     | 10  |
| W935159            |         | 2.54      | <0.01   | <0.5     | 4.44     | <5       | 250      | 0.7      | 3        | 4.98     | 0.6      | 73       | 1270     | 97       | 7.72     | 10  |
| W935160            |         | 0.06      | 0.51    |          |          |          |          |          |          |          |          |          |          |          |          |     |
| W935161            |         | 1.26      | <0.01   | <0.5     | 5.55     | <5       | 190      | 0.6      | <2       | 4.65     | 0.8      | 68       | 948      | 94       | 8.56     | 10  |
| W935162            |         | 1.92      | <0.01   | <0.5     | 4.66     | <5       | 280      | 1.0      | 5        | 4.56     | 0.6      | 67       | 1240     | 72       | 7.39     | 10  |
| W935163            |         | 0.77      | <0.01   | <0.5     | 5.68     | <5       | 380      | 1.6      | <2       | 4.24     | <0.5     | 55       | 986      | 68       | 6.66     | 10  |
| W935164            |         | 2.06      | <0.01   | <0.5     | 4.39     | <5       | 220      | 1.1      | 5        | 3.74     | 0.5      | 80       | 1230     | 72       | 7.96     | 10  |
| W935165            |         | 0.81      | <0.01   | <0.5     | 3.76     | <5       | 140      | 0.6      | <2       | 4.47     | <0.5     | 80       | 1630     | 85       | 7.32     | 10  |
| W935166            |         | 1.08      | <0.01   | <0.5     | 3.90     | <5       | 100      | 0.7      | <2       | 4.02     | <0.5     | 83       | 1830     | 90       | 7.61     | 10  |
| W935167            |         | 1.00      | <0.01   | <0.5     | 3.86     | <5       | 500      | 1.4      | <2       | 4.00     | <0.5     | 57       | 1065     | 82       | 6.75     | 10  |
| W935168            |         | 1.31      | <0.01   | <0.5     | 4.94     | <5       | 240      | 1.3      | <2       | 4.45     | <0.5     | 61       | 1010     | 74       | 6.66     | 20  |
| W935169            |         | 2.68      | <0.01   | <0.5     | 4.65     | <5       | 310      | 1.3      | <2       | 3.89     | <0.5     | 74       | 1355     | 67       | 8.03     | 10  |
| W935170            |         | 0.36      | <0.01   | <0.5     | 0.87     | <5       | 20       | <0.5     | <2       | 0.03     | <0.5     | 1        | 21       | 1        | 0.68     | <10 |
| W935171            |         | 1.21      | <0.01   | <0.5     | 7.28     | <5       | 1830     | 6.0      | <2       | 3.75     | <0.5     | 22       | 48       | 38       | 5.28     | 20  |
| W935172            |         | 1.63      | <0.01   | <0.5     | 6.97     | <5       | 1680     | 5.5      | <2       | 3.98     | <0.5     | 20       | 42       | 49       | 5.18     | 20  |
| W935173            |         | 2.64      | <0.01   | <0.5     | 4.41     | <5       | 430      | 1.5      | <2       | 4.77     | <0.5     | 66       | 1070     | 60       | 7.59     | 10  |
| W935174            |         | 3.71      | <0.01   | <0.5     | 4.12     | <5       | 110      | 0.7      | <2       | 4.54     | <0.5     | 77       | 1495     | 60       | 7.58     | 10  |
| W935175            |         | 2.90      | <0.01   | <0.5     | 4.52     | <5       | 110      | 0.7      | <2       | 4.43     | <0.5     | 79       | 1315     | 98       | 7.91     | 10  |
| W935176            |         | 0.85      | <0.01   | <0.5     | 6.38     | <5       | 1290     | 1.5      | <2       | 4.90     | <0.5     | 24       | 206      | 56       | 4.39     | 20  |
| W935177            |         | 0.99      | <0.01   | <0.5     | 6.99     | <5       | 670      | 4.1      | <2       | 4.10     | <0.5     | 36       | 267      | 84       | 5.42     | 20  |
| W935178            |         | 1.06      | <0.01   | <0.5     | 7.07     | <5       | 620      | 3.5      | <2       | 3.99     | <0.5     | 32       | 287      | 68       | 5.36     | 20  |
| W935179            |         | 2.56      | <0.01   | <0.5     | 5.32     | <5       | 280      | 1.0      | <2       | 5.04     | <0.5     | 57       | 599      | 50       | 7.31     | 10  |
| W935180            |         | 0.06      | 0.53    |          |          |          |          |          |          |          |          |          |          |          |          |     |
| W935181            |         | 1.20      | 0.01    | <0.5     | 6.92     | 5        | 840      | 2.4      | <2       | 4.66     | <0.5     | 26       | 128      | 43       | 5.21     | 20  |
| W935182            |         | 2.25      | <0.01   | <0.5     | 6.80     | <5       | 1990     | 2.5      | <2       | 4.95     | <0.5     | 25       | 113      | 54       | 5.66     | 20  |
| W935183            |         | 0.82      | <0.01   | 0.5      | 3.74     | <5       | 290      | 1.9      | <2       | 5.29     | <0.5     | 61       | 1125     | 36       | 6.54     | 10  |
| W935184            |         | 1.06      | 0.03    | <0.5     | 6.80     | <5       | 2460     | 2.3      | <2       | 4.33     | <0.5     | 23       | 93       | 86       | 5.16     | 20  |
| W935185            |         | 1.60      | 0.13    | <0.5     | 6.08     | <5       | 1750     | 2.8      | <2       | 4.69     | <0.5     | 35       | 394      | 49       | 5.23     | 20  |
| W935186            |         | 1.21      | 0.01    | <0.5     | 5.03     | <5       | 330      | 3.3      | <2       | 3.39     | <0.5     | 55       | 879      | 40       | 5.64     | 20  |
| W935187            |         | 0.77      | <0.01   | 0.5      | 3.82     | <5       | 50       | 2.7      | <2       | 3.95     | <0.5     | 66       | 1155     | 21       | 6.33     | 10  |
| W935188            |         | 0.83      | 0.23    | <0.5     | 8.15     | <5       | 1460     | 3.6      | <2       | 2.06     | <0.5     | 12       | 61       | 42       | 2.57     | 20  |
| W935189            |         | 1.13      | 0.09    | <0.5     | 7.54     | <5       | 1740     | 3.9      | <2       | 2.69     | <0.5     | 12       | 47       | 70       | 3.12     | 20  |
| W935190            |         | 0.33      | <0.01   | <0.5     | 0.79     | <5       | 20       | <0.5     | <2       | 0.02     | <0.5     | <1       | 15       | 2        | 0.68     | <10 |
| W935191            |         | 1.52      | 0.01    | <0.5     | 3.76     | <5       | 40       | 2.3      | <2       | 4.94     | <0.5     | 61       | 1085     | 18       | 6.44     | 10  |
| W935192            |         | 1.47      | 0.25    | <0.5     | 7.36     | <5       | 1130     | 2.3      | <2       | 1.08     | <0.5     | 4        | 24       | 33       | 1.20     | 20  |
| W935193            |         | 1.08      | 1.27    | <0.5     | 7.64     | <5       | 1870     | 3.6      | <2       | 3.47     | <0.5     | 19       | 44       | 90       | 4.15     | 20  |
| W935194            |         | 1.97      | 0.01    | <0.5     | 3.76     | <5       | 90       | 1.1      | <2       | 5.16     | <0.5     | 66       | 1550     | 30       | 6.65     | 10  |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| W935155            |                          | 2.13     | 40       | 1.77     | 667      | <1       | 5.02     | 62       | 1830     | 26       | 0.07     | <5       | 11       | 1290     | 20       | 0.28 |
| W935156            |                          | 1.54     | 40       | 1.61     | 637      | <1       | 5.69     | 52       | 1730     | 20       | 0.11     | <5       | 9        | 997      | 20       | 0.25 |
| W935157            |                          | 2.30     | 10       | 10.30    | 1365     | <1       | 0.25     | 631      | 230      | 4        | 0.03     | <5       | 26       | 85       | <20      | 0.21 |
| W935158            |                          | 4.03     | <10      | 8.68     | 1285     | <1       | 1.13     | 270      | 120      | 3        | 0.12     | <5       | 33       | 110      | <20      | 0.29 |
| W935159            |                          | 3.61     | <10      | 9.38     | 1365     | <1       | 0.45     | 580      | 110      | 3        | 0.26     | <5       | 28       | 108      | <20      | 0.25 |
| W935160            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935161            |                          | 3.58     | <10      | 8.00     | 1350     | <1       | 1.48     | 283      | 130      | 5        | 0.11     | <5       | 35       | 113      | <20      | 0.30 |
| W935162            |                          | 3.91     | 10       | 8.24     | 1260     | <1       | 0.83     | 385      | 270      | 4        | 0.14     | <5       | 28       | 128      | <20      | 0.26 |
| W935163            |                          | 3.31     | 30       | 6.61     | 1150     | <1       | 2.24     | 263      | 1970     | 16       | 0.05     | <5       | 30       | 372      | <20      | 0.30 |
| W935164            |                          | 2.98     | <10      | 11.65    | 1160     | 2        | 0.02     | 630      | 100      | 5        | 0.16     | <5       | 28       | 85       | <20      | 0.24 |
| W935165            |                          | 0.95     | 10       | 12.20    | 1275     | 3        | 0.01     | 844      | 110      | 3        | 0.18     | <5       | 24       | 104      | <20      | 0.17 |
| W935166            |                          | 0.93     | <10      | 12.40    | 1180     | 2        | <0.01    | 862      | 100      | 5        | 0.17     | <5       | 25       | 79       | <20      | 0.16 |
| W935167            |                          | 2.73     | <10      | 10.65    | 1140     | 1        | 0.03     | 464      | 190      | 7        | 0.16     | <5       | 25       | 102      | <20      | 0.21 |
| W935168            |                          | 2.14     | 20       | 8.33     | 1165     | 2        | 1.39     | 488      | 950      | 12       | 0.23     | <5       | 22       | 224      | <20      | 0.22 |
| W935169            |                          | 3.49     | <10      | 10.45    | 1180     | 2        | 0.14     | 623      | 120      | 5        | 0.17     | <5       | 29       | 92       | <20      | 0.24 |
| W935170            |                          | 0.06     | 10       | 0.05     | 33       | <1       | 0.01     | 4        | 40       | <2       | <0.01    | <5       | 1        | 19       | <20      | 0.03 |
| W935171            |                          | 1.77     | 70       | 2.49     | 1005     | <1       | 4.39     | 34       | 3270     | 26       | 0.08     | <5       | 16       | 964      | 20       | 0.35 |
| W935172            |                          | 1.83     | 70       | 2.44     | 1025     | <1       | 4.19     | 27       | 3130     | 24       | 0.10     | <5       | 17       | 904      | 20       | 0.32 |
| W935173            |                          | 3.62     | <10      | 9.26     | 1310     | 2        | 0.55     | 452      | 110      | 3        | 0.20     | <5       | 28       | 127      | <20      | 0.24 |
| W935174            |                          | 1.63     | <10      | 10.55    | 1225     | 1        | 0.12     | 737      | 110      | 3        | 0.14     | <5       | 27       | 80       | <20      | 0.18 |
| W935175            |                          | 1.20     | <10      | 10.45    | 1305     | 35       | 0.05     | 629      | 130      | 5        | 0.43     | <5       | 27       | 79       | <20      | 0.18 |
| W935176            |                          | 1.80     | 70       | 3.49     | 802      | 3        | 4.00     | 91       | 2480     | 25       | 0.40     | <5       | 17       | 408      | <20      | 0.26 |
| W935177            |                          | 1.78     | 50       | 3.54     | 1015     | 4        | 3.89     | 123      | 1910     | 38       | 0.81     | <5       | 18       | 718      | <20      | 0.28 |
| W935178            |                          | 2.18     | 40       | 4.37     | 1070     | <1       | 3.46     | 104      | 1160     | 33       | 0.30     | <5       | 19       | 604      | <20      | 0.25 |
| W935179            |                          | 2.86     | <10      | 8.19     | 1180     | 1        | 1.27     | 220      | 160      | 4        | 0.05     | <5       | 32       | 125      | <20      | 0.27 |
| W935180            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935181            |                          | 1.70     | 50       | 2.96     | 1065     | <1       | 4.09     | 56       | 2200     | 33       | 0.36     | <5       | 18       | 647      | <20      | 0.26 |
| W935182            |                          | 1.41     | 50       | 2.78     | 1130     | <1       | 4.31     | 62       | 2770     | 29       | 0.36     | <5       | 19       | 746      | <20      | 0.29 |
| W935183            |                          | 1.98     | 10       | 8.38     | 1220     | 5        | 0.46     | 555      | 290      | 7        | 0.34     | <5       | 22       | 175      | <20      | 0.15 |
| W935184            |                          | 1.69     | 50       | 2.49     | 1025     | <1       | 4.01     | 55       | 2580     | 20       | 0.65     | <5       | 17       | 705      | 20       | 0.29 |
| W935185            |                          | 1.93     | 40       | 4.30     | 1095     | <1       | 2.89     | 152      | 1410     | 16       | 0.93     | <5       | 17       | 432      | <20      | 0.22 |
| W935186            |                          | 2.57     | 10       | 7.24     | 1040     | 1        | 1.31     | 393      | 270      | 11       | 0.10     | <5       | 20       | 154      | <20      | 0.17 |
| W935187            |                          | 2.79     | 10       | 9.09     | 1130     | 1        | 0.02     | 588      | 20       | 8        | 0.01     | <5       | 21       | 124      | <20      | 0.17 |
| W935188            |                          | 2.55     | 50       | 1.28     | 519      | 1        | 4.49     | 37       | 1090     | 22       | 0.76     | <5       | 6        | 373      | 20       | 0.16 |
| W935189            |                          | 3.09     | 50       | 1.46     | 688      | 1        | 3.81     | 23       | 1610     | 20       | 0.60     | <5       | 9        | 515      | 20       | 0.20 |
| W935190            |                          | 0.05     | 10       | 0.02     | 39       | <1       | 0.01     | 1        | 50       | <2       | <0.01    | <5       | <1       | 14       | <20      | 0.03 |
| W935191            |                          | 2.78     | <10      | 9.69     | 1325     | 1        | 0.03     | 526      | 80       | 6        | 0.08     | <5       | 24       | 165      | <20      | 0.19 |
| W935192            |                          | 1.49     | 40       | 0.61     | 197      | 2        | 4.69     | 15       | 370      | 15       | 0.54     | <5       | 3        | 199      | 20       | 0.06 |
| W935193            |                          | 3.14     | 50       | 2.08     | 815      | 1        | 2.77     | 29       | 2540     | 21       | 1.17     | <5       | 14       | 247      | <20      | 0.22 |
| W935194            |                          | 2.46     | <10      | 9.77     | 1215     | <1       | 0.03     | 520      | 100      | 3        | 0.01     | <5       | 24       | 114      | <20      | 0.12 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W935155            |                                   | <10      | <10      | 115      | <10      | 82       |
| W935156            |                                   | <10      | <10      | 107      | <10      | 72       |
| W935157            |                                   | <10      | <10      | 173      | <10      | 105      |
| W935158            |                                   | 10       | <10      | 212      | <10      | 92       |
| W935159            |                                   | <10      | <10      | 182      | <10      | 92       |
| W935160            |                                   |          |          |          |          |          |
| W935161            |                                   | <10      | <10      | 217      | <10      | 93       |
| W935162            |                                   | <10      | <10      | 186      | <10      | 87       |
| W935163            |                                   | <10      | <10      | 189      | <10      | 91       |
| W935164            |                                   | 10       | <10      | 178      | <10      | 69       |
| W935165            |                                   | <10      | <10      | 152      | <10      | 74       |
| W935166            |                                   | <10      | <10      | 150      | <10      | 76       |
| W935167            |                                   | <10      | 10       | 163      | <10      | 70       |
| W935168            |                                   | <10      | <10      | 156      | <10      | 73       |
| W935169            |                                   | <10      | <10      | 183      | <10      | 86       |
| W935170            |                                   | <10      | <10      | 4        | <10      | 2        |
| W935171            |                                   | <10      | <10      | 157      | <10      | 89       |
| W935172            |                                   | <10      | <10      | 155      | <10      | 90       |
| W935173            |                                   | <10      | <10      | 178      | <10      | 77       |
| W935174            |                                   | <10      | 10       | 167      | <10      | 70       |
| W935175            |                                   | <10      | 10       | 164      | <10      | 75       |
| W935176            |                                   | <10      | <10      | 129      | <10      | 64       |
| W935177            |                                   | <10      | <10      | 159      | <10      | 87       |
| W935178            |                                   | <10      | <10      | 158      | <10      | 79       |
| W935179            |                                   | <10      | <10      | 198      | <10      | 85       |
| W935180            |                                   |          |          |          |          |          |
| W935181            |                                   | <10      | <10      | 148      | <10      | 62       |
| W935182            |                                   | <10      | <10      | 166      | <10      | 69       |
| W935183            |                                   | <10      | <10      | 191      | <10      | 80       |
| W935184            |                                   | <10      | <10      | 146      | <10      | 60       |
| W935185            |                                   | <10      | <10      | 136      | <10      | 63       |
| W935186            |                                   | <10      | <10      | 136      | <10      | 66       |
| W935187            |                                   | <10      | 10       | 133      | <10      | 70       |
| W935188            |                                   | <10      | <10      | 79       | 10       | 46       |
| W935189            |                                   | <10      | <10      | 95       | 10       | 56       |
| W935190            |                                   | <10      | <10      | 4        | <10      | 2        |
| W935191            |                                   | <10      | 10       | 170      | <10      | 94       |
| W935192            |                                   | <10      | <10      | 37       | <10      | 18       |
| W935193            |                                   | <10      | <10      | 130      | <10      | 55       |
| W935194            |                                   | <10      | <10      | 148      | <10      | 75       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description | Method  | WEI-21    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|---------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    | Analyte | Recvd Wt. | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga       |
|                    | Units   | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      |
|                    | LOD     | 0.02      | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       |
| W935195            |         | 1.16      | 0.01    | <0.5     | 3.99     | <5       | 100      | 1.7      | <2       | 5.02     | <0.5     | 66       | 1340     | 73       | 6.91     | 10       |
| W935196            |         | 1.03      | 0.02    | <0.5     | 8.20     | <5       | 1520     | 5.4      | <2       | 2.00     | <0.5     | 10       | 60       | 15       | 2.70     | 20       |
| W935197            |         | 0.72      | 0.01    | <0.5     | 5.11     | <5       | 480      | 2.7      | <2       | 4.70     | <0.5     | 52       | 1270     | 48       | 6.24     | 10       |
| W935198            |         | 0.56      | 0.04    | <0.5     | 4.67     | <5       | 250      | 2.1      | <2       | 4.60     | <0.5     | 54       | 1280     | 47       | 6.33     | 10       |
| W935199            |         | 0.66      | 0.05    | <0.5     | 4.89     | <5       | 410      | 2.2      | <2       | 4.25     | <0.5     | 51       | 1160     | 37       | 6.13     | 10       |
| W935200            |         | 0.06      | 0.51    |          |          |          |          |          |          |          |          |          |          |          |          |          |
| W935201            |         | 0.96      | 0.88    | <0.5     | 4.84     | <5       | 1510     | 2.2      | <2       | 3.95     | <0.5     | 49       | 780      | 99       | 5.85     | 10       |
| W935202            |         | 3.46      | <0.01   | <0.5     | 4.02     | <5       | 60       | 0.5      | <2       | 5.00     | <0.5     | 73       | 1010     | 26       | 7.43     | 10       |
| W935203            |         | 0.78      | <0.01   | <0.5     | 4.42     | <5       | 200      | 0.8      | <2       | 5.15     | <0.5     | 68       | 1190     | 61       | 7.68     | 10       |
| W935204            |         | 1.51      | <0.01   | <0.5     | 4.50     | <5       | 310      | 1.0      | <2       | 5.88     | 0.5      | 59       | 1010     | 57       | 7.08     | 10       |
| W935205            |         | 1.10      | <0.01   | <0.5     | 4.48     | <5       | 330      | 1.5      | <2       | 5.83     | 0.7      | 70       | 1720     | 94       | 7.22     | 10       |
| W935206            |         | 2.36      | <0.01   | <0.5     | 4.70     | <5       | 2000     | 2.4      | <2       | 7.30     | 0.5      | 40       | 219      | 57       | 6.17     | 10       |
| W935207            |         | 1.99      | <0.01   | <0.5     | 5.09     | <5       | 160      | 1.1      | <2       | 5.87     | 0.7      | 68       | 1080     | 77       | 8.42     | 10       |
| W935208            |         | 2.02      | <0.01   | <0.5     | 4.85     | <5       | 240      | 1.3      | <2       | 5.87     | 0.9      | 70       | 859      | 128      | 8.56     | 10       |
| W935209            |         | 1.38      | 0.01    | <0.5     | 5.22     | <5       | 910      | 1.1      | <2       | 5.74     | 0.8      | 68       | 877      | 90       | 8.49     | 10       |
| W935210            |         | 0.39      | <0.01   | <0.5     | 1.23     | <5       | 20       | <0.5     | <2       | 0.07     | <0.5     | 2        | 24       | 3        | 0.87     | <10      |
| W935211            |         | 1.21      | 0.05    | <0.5     | 4.94     | <5       | 350      | 1.5      | <2       | 5.99     | 0.8      | 60       | 731      | 121      | 8.52     | 10       |
| W935212            |         | 1.49      | 0.01    | <0.5     | 5.02     | <5       | 410      | 1.2      | <2       | 5.93     | 0.6      | 60       | 776      | 91       | 7.64     | 10       |
| W935213            |         | 1.59      | 0.02    | <0.5     | 4.47     | <5       | 570      | 1.7      | <2       | 5.00     | 0.7      | 59       | 879      | 74       | 7.24     | 10       |
| W935214            |         | 2.57      | 0.03    | <0.5     | 4.20     | <5       | 250      | 1.9      | <2       | 5.97     | 0.7      | 62       | 1030     | 44       | 7.14     | 10       |
| W935215            |         | 0.92      | 0.14    | <0.5     | 7.27     | <5       | 4760     | 2.3      | <2       | 1.99     | <0.5     | 9        | 36       | 80       | 2.21     | 20       |
| W935216            |         | 1.50      | 0.25    | <0.5     | 7.44     | <5       | 2560     | 2.7      | <2       | 3.04     | <0.5     | 15       | 36       | 60       | 3.90     | 20       |
| W935217            |         | 2.26      | <0.01   | <0.5     | 7.98     | <5       | 4100     | 3.1      | <2       | 3.47     | <0.5     | 17       | 47       | 27       | 4.29     | 20       |
| W935218            |         | 2.08      | <0.01   | <0.5     | 8.60     | <5       | 3030     | 3.0      | <2       | 2.55     | <0.5     | 12       | 31       | 17       | 3.06     | 20       |
| W935219            |         | 1.23      | 0.02    | <0.5     | 7.91     | <5       | 2710     | 2.8      | <2       | 2.38     | <0.5     | 11       | 30       | 22       | 2.68     | 20       |
| W935220            |         | 0.05      | 0.52    |          |          |          |          |          |          |          |          |          |          |          |          |          |
| W935221            |         | 0.95      | 0.07    | <0.5     | 7.00     | <5       | 2040     | 2.5      | <2       | 2.20     | <0.5     | 9        | 28       | 23       | 2.34     | 20       |
| W935222            |         | 1.25      | <0.01   | <0.5     | 8.35     | <5       | 2800     | 3.1      | <2       | 2.34     | <0.5     | 10       | 29       | 11       | 2.67     | 20       |
| W935223            |         | 2.01      | 0.22    | <0.5     | 7.74     | <5       | 2600     | 2.8      | <2       | 2.51     | <0.5     | 9        | 32       | 20       | 2.54     | 20       |
| W935224            |         | 3.06      | <0.01   | <0.5     | 8.26     | <5       | 2640     | 3.3      | <2       | 2.45     | <0.5     | 10       | 32       | 15       | 2.60     | 20       |
| W935225            |         | 1.24      | <0.01   | <0.5     | 7.73     | <5       | 2470     | 2.8      | <2       | 2.49     | <0.5     | 9        | 26       | 29       | 2.47     | 20       |
| W935226            |         | 1.76      | <0.01   | <0.5     | 7.80     | <5       | 2540     | 2.9      | <2       | 2.22     | <0.5     | 10       | 30       | 14       | 2.43     | 20       |
| W935227            |         | 1.57      | 0.01    | <0.5     | 7.80     | <5       | 2480     | 2.7      | <2       | 2.38     | <0.5     | 9        | 32       | 31       | 2.50     | 20       |
| W935228            |         | 1.53      | <0.01   | <0.5     | 8.50     | <5       | 2740     | 2.9      | <2       | 2.40     | <0.5     | 9        | 32       | 11       | 2.54     | 20       |
| W935229            |         | 2.05      | 0.34    | <0.5     | 8.17     | <5       | 2710     | 2.5      | <2       | 2.34     | <0.5     | 10       | 31       | 34       | 2.51     | 20       |
| W935230            |         | 0.40      | <0.01   | <0.5     | 1.44     | <5       | 40       | <0.5     | <2       | 0.03     | <0.5     | 1        | 16       | 1        | 0.79     | <10      |
| W935231            |         | 2.56      | 0.01    | <0.5     | 7.92     | <5       | 2420     | 2.6      | <2       | 2.05     | <0.5     | 8        | 29       | 35       | 2.16     | 20       |
| W935232            |         | 0.79      | 0.05    | <0.5     | 8.00     | <5       | 2520     | 2.6      | <2       | 2.00     | <0.5     | 8        | 29       | 20       | 2.19     | 20       |
| W935233            |         | 0.95      | <0.01   | <0.5     | 8.04     | <5       | 2480     | 2.7      | <2       | 2.09     | <0.5     | 8        | 32       | 18       | 2.21     | 20       |
| W935234            |         | 1.86      | <0.01   | <0.5     | 7.59     | <5       | 2530     | 2.8      | <2       | 2.14     | <0.5     | 8        | 32       | 16       | 2.30     | 20       |





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
|                    |                          | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01 |
| W935195            |                          | 2.79     | <10      | 8.86     | 1215     | 2        | 0.10     | 510      | 80       | 5        | 0.02     | <5       | 24       | 124      | <20      | 0.17 |
| W935196            |                          | 2.03     | 30       | 1.24     | 583      | 1        | 5.20     | 28       | 1110     | 37       | 0.23     | <5       | 7        | 785      | 20       | 0.17 |
| W935197            |                          | 2.83     | 20       | 7.63     | 1150     | <1       | 1.15     | 367      | 350      | 10       | 0.06     | <5       | 22       | 300      | <20      | 0.20 |
| W935198            |                          | 2.65     | 10       | 8.10     | 1125     | 1        | 0.88     | 404      | 380      | 4        | 0.14     | <5       | 23       | 224      | <20      | 0.21 |
| W935199            |                          | 2.62     | 20       | 7.60     | 1060     | <1       | 1.10     | 376      | 440      | 10       | 0.18     | <5       | 21       | 239      | <20      | 0.21 |
| W935200            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935201            |                          | 2.32     | 30       | 6.47     | 1060     | 1        | 1.35     | 411      | 1250     | 9        | 0.80     | 5        | 19       | 277      | <20      | 0.22 |
| W935202            |                          | 0.85     | <10      | 10.50    | 1235     | 1        | 0.03     | 616      | 100      | 4        | 0.02     | <5       | 26       | 125      | <20      | 0.09 |
| W935203            |                          | 1.37     | <10      | 9.44     | 1170     | 1        | 0.25     | 401      | 110      | 5        | 0.01     | <5       | 27       | 132      | <20      | 0.17 |
| W935204            |                          | 1.72     | 10       | 8.70     | 1270     | 3        | 0.64     | 388      | 360      | 23       | 0.23     | <5       | 26       | 177      | <20      | 0.18 |
| W935205            |                          | 2.38     | 10       | 8.93     | 1250     | 1        | 0.70     | 594      | 390      | 8        | 0.04     | 5        | 26       | 165      | <20      | 0.22 |
| W935206            |                          | 3.14     | 30       | 6.15     | 1025     | 1        | 1.62     | 80       | 6010     | 16       | 0.18     | <5       | 36       | 464      | <20      | 0.35 |
| W935207            |                          | 1.45     | 10       | 9.69     | 1455     | 2        | 0.35     | 405      | 860      | 22       | 0.12     | <5       | 32       | 169      | <20      | 0.20 |
| W935208            |                          | 1.57     | 10       | 9.41     | 1330     | 2        | 0.51     | 441      | 1510     | 15       | 0.45     | <5       | 31       | 194      | <20      | 0.23 |
| W935209            |                          | 1.03     | 10       | 10.00    | 1360     | 2        | 0.53     | 401      | 710      | 47       | 0.26     | <5       | 31       | 203      | <20      | 0.20 |
| W935210            |                          | 0.05     | 10       | 0.08     | 45       | 1        | 0.02     | 5        | 80       | 4        | 0.01     | <5       | 1        | 31       | <20      | 0.03 |
| W935211            |                          | 0.90     | 20       | 9.27     | 1300     | <1       | 0.80     | 336      | 1230     | 39       | 0.14     | <5       | 31       | 222      | <20      | 0.25 |
| W935212            |                          | 1.62     | 10       | 8.50     | 1300     | 5        | 0.66     | 357      | 480      | 17       | 0.23     | <5       | 28       | 199      | <20      | 0.21 |
| W935213            |                          | 3.03     | 10       | 8.31     | 1315     | 3        | 0.25     | 354      | 150      | 8        | 0.17     | <5       | 28       | 169      | <20      | 0.21 |
| W935214            |                          | 2.42     | 10       | 9.21     | 1365     | 3        | 0.19     | 466      | 390      | 11       | 0.31     | <5       | 25       | 217      | <20      | 0.17 |
| W935215            |                          | 2.85     | 40       | 1.19     | 438      | <1       | 3.37     | 27       | 1020     | 17       | 0.72     | <5       | 7        | 484      | 20       | 0.15 |
| W935216            |                          | 3.01     | 50       | 1.69     | 781      | 1        | 3.41     | 25       | 2120     | 30       | 0.96     | <5       | 11       | 821      | 20       | 0.28 |
| W935217            |                          | 3.78     | 40       | 1.84     | 895      | 1        | 3.58     | 27       | 2120     | 31       | 0.06     | <5       | 13       | 2520     | 20       | 0.32 |
| W935218            |                          | 3.31     | 30       | 1.23     | 610      | 1        | 4.22     | 21       | 1730     | 36       | 0.05     | <5       | 6        | 1925     | <20      | 0.24 |
| W935219            |                          | 3.22     | 30       | 1.11     | 546      | 1        | 4.09     | 20       | 1360     | 37       | 0.38     | 7        | 6        | 1380     | <20      | 0.22 |
| W935220            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935221            |                          | 3.05     | 30       | 1.00     | 560      | 1        | 2.98     | 15       | 1140     | 25       | 0.32     | <5       | 6        | 732      | <20      | 0.19 |
| W935222            |                          | 3.04     | 30       | 1.13     | 569      | <1       | 4.49     | 18       | 1370     | 33       | 0.09     | <5       | 6        | 1930     | 20       | 0.23 |
| W935223            |                          | 2.89     | 30       | 1.05     | 603      | 1        | 4.10     | 17       | 1300     | 27       | 0.22     | <5       | 6        | 1155     | <20      | 0.21 |
| W935224            |                          | 2.83     | 30       | 1.09     | 568      | 1        | 4.36     | 19       | 1260     | 37       | 0.10     | <5       | 6        | 1685     | <20      | 0.22 |
| W935225            |                          | 1.83     | 30       | 0.95     | 553      | <1       | 4.89     | 19       | 1130     | 42       | 0.71     | <5       | 6        | 1010     | <20      | 0.16 |
| W935226            |                          | 2.72     | 30       | 1.06     | 532      | 1        | 4.18     | 19       | 1130     | 29       | 0.09     | <5       | 6        | 1420     | <20      | 0.20 |
| W935227            |                          | 2.54     | 30       | 1.06     | 572      | 1        | 4.49     | 19       | 1140     | 37       | 0.25     | 5        | 6        | 1295     | <20      | 0.20 |
| W935228            |                          | 2.85     | 30       | 1.11     | 573      | 1        | 4.55     | 19       | 1130     | 34       | 0.06     | <5       | 7        | 1705     | <20      | 0.21 |
| W935229            |                          | 2.54     | 30       | 1.06     | 556      | <1       | 4.58     | 18       | 1100     | 48       | 0.52     | <5       | 7        | 1035     | <20      | 0.19 |
| W935230            |                          | 0.07     | 20       | 0.02     | 36       | <1       | 0.04     | 4        | 50       | <2       | 0.01     | <5       | 1        | 30       | <20      | 0.03 |
| W935231            |                          | 2.74     | 30       | 0.90     | 514      | <1       | 4.26     | 15       | 870      | 29       | 0.22     | <5       | 6        | 1260     | <20      | 0.17 |
| W935232            |                          | 2.90     | 30       | 0.90     | 495      | 1        | 4.35     | 15       | 850      | 30       | 0.18     | 6        | 6        | 1425     | <20      | 0.17 |
| W935233            |                          | 2.97     | 30       | 0.92     | 509      | 1        | 4.36     | 16       | 880      | 33       | 0.14     | <5       | 6        | 1455     | <20      | 0.17 |
| W935234            |                          | 2.68     | 30       | 0.97     | 517      | <1       | 4.17     | 18       | 970      | 34       | 0.18     | <5       | 6        | 1370     | <20      | 0.18 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W935195            |                                   | <10      | <10      | 152      | <10      | 83       |
| W935196            |                                   | <10      | <10      | 72       | <10      | 39       |
| W935197            |                                   | <10      | <10      | 151      | <10      | 101      |
| W935198            |                                   | <10      | <10      | 148      | <10      | 79       |
| W935199            |                                   | <10      | <10      | 149      | <10      | 77       |
| W935200            |                                   |          |          |          |          |          |
| W935201            |                                   | <10      | <10      | 141      | <10      | 67       |
| W935202            |                                   | <10      | <10      | 151      | <10      | 64       |
| W935203            |                                   | <10      | 10       | 175      | <10      | 106      |
| W935204            |                                   | <10      | <10      | 170      | <10      | 76       |
| W935205            |                                   | <10      | <10      | 172      | <10      | 123      |
| W935206            |                                   | <10      | <10      | 187      | <10      | 85       |
| W935207            |                                   | <10      | <10      | 206      | <10      | 88       |
| W935208            |                                   | <10      | <10      | 211      | <10      | 83       |
| W935209            |                                   | <10      | <10      | 209      | <10      | 90       |
| W935210            |                                   | <10      | <10      | 6        | <10      | 3        |
| W935211            |                                   | <10      | <10      | 240      | <10      | 88       |
| W935212            |                                   | <10      | <10      | 193      | <10      | 80       |
| W935213            |                                   | 10       | <10      | 181      | <10      | 57       |
| W935214            |                                   | <10      | <10      | 174      | <10      | 101      |
| W935215            |                                   | <10      | <10      | 74       | 10       | 37       |
| W935216            |                                   | <10      | <10      | 119      | 10       | 64       |
| W935217            |                                   | <10      | <10      | 129      | <10      | 95       |
| W935218            |                                   | <10      | <10      | 77       | <10      | 82       |
| W935219            |                                   | 10       | <10      | 72       | <10      | 69       |
| W935220            |                                   |          |          |          |          |          |
| W935221            |                                   | <10      | <10      | 77       | 10       | 60       |
| W935222            |                                   | <10      | <10      | 71       | <10      | 73       |
| W935223            |                                   | <10      | <10      | 75       | 10       | 64       |
| W935224            |                                   | <10      | <10      | 66       | <10      | 75       |
| W935225            |                                   | <10      | <10      | 56       | <10      | 56       |
| W935226            |                                   | <10      | <10      | 64       | <10      | 67       |
| W935227            |                                   | <10      | <10      | 65       | <10      | 72       |
| W935228            |                                   | <10      | <10      | 65       | <10      | 71       |
| W935229            |                                   | <10      | <10      | 63       | <10      | 60       |
| W935230            |                                   | <10      | <10      | 5        | <10      | 2        |
| W935231            |                                   | <10      | <10      | 54       | <10      | 57       |
| W935232            |                                   | <10      | <10      | 54       | <10      | 56       |
| W935233            |                                   | <10      | <10      | 54       | <10      | 57       |
| W935234            |                                   | <10      | <10      | 59       | <10      | 67       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description | Method  | WEI-21    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |     |
|--------------------|---------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|
|                    | Analyte | Recvd Wt. | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga  |
|                    | Units   | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm |
|                    | LOD     | 0.02      | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10  |
| W935235            |         | 1.53      | 0.01    | <0.5     | 6.76     | <5       | 2270     | 2.4      | <2       | 2.12     | <0.5     | 7        | 33       | 61       | 2.00     | 20  |
| W935236            |         | 1.57      | 0.01    | <0.5     | 7.90     | <5       | 2580     | 3.0      | <2       | 2.13     | <0.5     | 8        | 32       | 48       | 2.15     | 20  |
| W935237            |         | 1.71      | <0.01   | <0.5     | 8.35     | <5       | 2590     | 3.0      | <2       | 2.20     | <0.5     | 9        | 35       | 3        | 2.43     | 20  |
| W935238            |         | 1.44      | 0.02    | <0.5     | 7.42     | <5       | 2340     | 2.5      | <2       | 2.21     | <0.5     | 9        | 32       | 26       | 2.15     | 20  |
| W935239            |         | 1.82      | <0.01   | <0.5     | 7.92     | <5       | 2640     | 2.6      | <2       | 2.24     | <0.5     | 8        | 34       | 30       | 2.35     | 20  |
| W935240            |         | 0.06      | 0.51    |          |          |          |          |          |          |          |          |          |          |          |          |     |
| W935241            |         | 1.46      | <0.01   | <0.5     | 7.74     | <5       | 2420     | 5.8      | <2       | 2.09     | <0.5     | 8        | 31       | 6        | 2.22     | 20  |
| W935242            |         | 1.50      | 0.01    | <0.5     | 7.01     | <5       | 2280     | 2.0      | 2        | 1.67     | <0.5     | 5        | 24       | 86       | 1.66     | 20  |
| W935243            |         | 0.84      | 0.04    | <0.5     | 6.25     | <5       | 1100     | 1.8      | <2       | 0.77     | <0.5     | 4        | 13       | 46       | 0.92     | 20  |
| W935244            |         | 1.07      | 0.07    | <0.5     | 7.55     | <5       | 2340     | 2.4      | <2       | 1.92     | <0.5     | 8        | 30       | 29       | 1.95     | 20  |
| W935245            |         | 2.15      | <0.01   | <0.5     | 8.31     | <5       | 2740     | 2.7      | <2       | 2.04     | <0.5     | 9        | 36       | 17       | 2.23     | 20  |
| W935246            |         | 0.62      | <0.01   | <0.5     | 7.13     | <5       | 1690     | 1.9      | <2       | 1.27     | <0.5     | 6        | 20       | 39       | 1.47     | 20  |
| W935247            |         | 1.17      | <0.01   | <0.5     | 8.05     | <5       | 2560     | 2.6      | <2       | 2.05     | <0.5     | 9        | 33       | 35       | 2.14     | 20  |
| W935248            |         | 0.76      | 0.01    | <0.5     | 7.56     | <5       | 2060     | 2.4      | <2       | 1.46     | <0.5     | 6        | 23       | 47       | 1.76     | 20  |
| W935249            |         | 0.68      | 0.02    | <0.5     | 7.70     | <5       | 2040     | 2.2      | <2       | 1.24     | <0.5     | 6        | 21       | 29       | 1.41     | 20  |
| W935250            |         | 0.30      | <0.01   | <0.5     | 0.80     | <5       | 20       | <0.5     | <2       | 0.02     | <0.5     | 2        | 10       | 1        | 0.75     | <10 |
| W935251            |         | 2.19      | 0.01    | <0.5     | 8.00     | <5       | 2470     | 2.5      | 2        | 1.81     | <0.5     | 8        | 35       | 23       | 2.07     | 20  |
| W935252            |         | 0.72      | 0.14    | 0.8      | 5.48     | <5       | 950      | 1.9      | 6        | 1.50     | <0.5     | 8        | 28       | 31       | 1.97     | 10  |
| W935253            |         | 0.80      | 0.03    | <0.5     | 7.99     | <5       | 2560     | 2.9      | <2       | 1.97     | <0.5     | 9        | 32       | 13       | 2.11     | 20  |
| W935254            |         | 0.68      | 0.31    | <0.5     | 7.79     | <5       | 2650     | 2.6      | <2       | 2.10     | <0.5     | 10       | 33       | 14       | 2.19     | 20  |
| W935255            |         | 2.47      | 0.02    | <0.5     | 7.89     | <5       | 2640     | 2.5      | <2       | 2.01     | <0.5     | 9        | 36       | 15       | 2.13     | 20  |
| W935256            |         | 1.50      | 0.03    | <0.5     | 8.09     | <5       | 2500     | 2.6      | <2       | 2.12     | <0.5     | 9        | 33       | 18       | 2.09     | 20  |
| W935257            |         | 0.59      | 0.10    | <0.5     | 4.45     | <5       | 940      | 2.3      | <2       | 0.70     | <0.5     | 5        | 23       | 3        | 1.36     | 10  |
| W935258            |         | 0.96      | 0.02    | <0.5     | 8.06     | <5       | 2670     | 2.7      | <2       | 2.05     | <0.5     | 9        | 39       | 46       | 2.22     | 20  |
| W935259            |         | 0.71      | 0.01    | <0.5     | 8.23     | <5       | 2720     | 3.0      | <2       | 1.99     | <0.5     | 10       | 40       | 19       | 2.17     | 20  |
| W935260            |         | 0.06      | 0.52    |          |          |          |          |          |          |          |          |          |          |          |          |     |
| W935261            |         | 0.66      | 0.08    | <0.5     | 7.64     | <5       | 2440     | 2.3      | <2       | 2.03     | <0.5     | 7        | 33       | 13       | 1.93     | 20  |
| W935262            |         | 1.37      | 0.01    | <0.5     | 7.65     | <5       | 2540     | 2.5      | 2        | 1.87     | <0.5     | 8        | 30       | 6        | 1.98     | 20  |
| W935263            |         | 1.91      | 0.01    | <0.5     | 7.74     | <5       | 2570     | 2.1      | <2       | 1.81     | <0.5     | 7        | 29       | 6        | 1.92     | 20  |
| W935264            |         | 1.88      | 0.13    | <0.5     | 7.55     | <5       | 2480     | 2.2      | 2        | 1.98     | <0.5     | 7        | 29       | 5        | 1.83     | 20  |
| W935265            |         | 1.13      | 0.01    | <0.5     | 7.79     | <5       | 2690     | 2.2      | <2       | 2.13     | <0.5     | 8        | 30       | 33       | 1.90     | 20  |
| W935266            |         | 1.16      | 0.03    | <0.5     | 8.02     | <5       | 2570     | 2.3      | <2       | 2.01     | <0.5     | 8        | 30       | 10       | 1.88     | 20  |
| W935267            |         | 0.82      | 0.02    | <0.5     | 7.94     | <5       | 2590     | 2.6      | <2       | 1.91     | <0.5     | 7        | 30       | 9        | 2.02     | 20  |
| W935268            |         | 2.21      | <0.01   | <0.5     | 8.01     | <5       | 2530     | 2.6      | <2       | 1.90     | <0.5     | 7        | 31       | 8        | 1.99     | 20  |
| W935269            |         | 0.72      | <0.01   | <0.5     | 7.75     | <5       | 2420     | 2.6      | <2       | 1.73     | <0.5     | 8        | 28       | 6        | 1.91     | 20  |
| W935270            |         | 0.37      | <0.01   | <0.5     | 0.74     | <5       | 20       | <0.5     | <2       | 0.01     | <0.5     | 2        | 12       | 1        | 0.62     | <10 |
| W935271            |         | 0.95      | <0.01   | <0.5     | 7.31     | <5       | 2300     | 2.3      | <2       | 1.77     | <0.5     | 10       | 31       | 60       | 2.23     | 20  |
| W935272            |         | 1.14      | <0.01   | <0.5     | 7.94     | <5       | 2380     | 2.9      | <2       | 1.83     | <0.5     | 8        | 34       | 12       | 2.09     | 20  |
| W935273            |         | 1.88      | 0.01    | <0.5     | 7.57     | <5       | 2320     | 2.5      | <2       | 1.79     | <0.5     | 7        | 30       | 21       | 1.89     | 20  |
| W935274            |         | 1.17      | 0.04    | <0.5     | 7.36     | <5       | 2420     | 2.5      | <2       | 1.92     | <0.5     | 7        | 28       | 26       | 1.76     | 20  |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Plus Appendix Pages  
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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
|                    |                          | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01 |
| W935235            |                          | 2.32     | 30       | 0.78     | 483      | <1       | 4.12     | 15       | 840      | 78       | 0.37     | <5       | 5        | 746      | <20      | 0.16 |
| W935236            |                          | 2.73     | 30       | 0.87     | 501      | 1        | 4.54     | 16       | 910      | 41       | 0.27     | <5       | 6        | 1110     | <20      | 0.18 |
| W935237            |                          | 2.85     | 30       | 1.04     | 546      | <1       | 4.41     | 20       | 970      | 31       | 0.02     | <5       | 6        | 1715     | <20      | 0.20 |
| W935238            |                          | 2.08     | 30       | 0.91     | 498      | 1        | 4.52     | 17       | 920      | 66       | 0.39     | 7        | 5        | 990      | <20      | 0.17 |
| W935239            |                          | 2.71     | 30       | 0.99     | 523      | 1        | 4.42     | 19       | 960      | 36       | 0.12     | <5       | 6        | 1500     | <20      | 0.19 |
| W935240            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935241            |                          | 2.71     | 30       | 0.94     | 497      | <1       | 4.17     | 18       | 910      | 33       | 0.08     | <5       | 6        | 1400     | <20      | 0.18 |
| W935242            |                          | 2.83     | 30       | 0.66     | 432      | <1       | 3.67     | 11       | 540      | 24       | 0.25     | <5       | 4        | 457      | <20      | 0.13 |
| W935243            |                          | 2.38     | 20       | 0.24     | 181      | <1       | 3.57     | 4        | 210      | 25       | 0.36     | <5       | 2        | 225      | <20      | 0.06 |
| W935244            |                          | 2.90     | 30       | 0.83     | 453      | <1       | 3.60     | 16       | 770      | 31       | 0.45     | <5       | 5        | 623      | <20      | 0.15 |
| W935245            |                          | 2.66     | 30       | 0.99     | 498      | <1       | 4.46     | 21       | 910      | 43       | 0.05     | <5       | 6        | 1825     | <20      | 0.18 |
| W935246            |                          | 2.72     | 20       | 0.50     | 284      | <1       | 4.00     | 10       | 550      | 36       | 0.38     | <5       | 3        | 703      | <20      | 0.10 |
| W935247            |                          | 2.58     | 30       | 0.94     | 480      | <1       | 4.42     | 19       | 1140     | 33       | 0.22     | <5       | 6        | 1315     | <20      | 0.17 |
| W935248            |                          | 2.96     | 30       | 0.69     | 381      | <1       | 4.00     | 10       | 600      | 26       | 0.24     | <5       | 5        | 795      | <20      | 0.13 |
| W935249            |                          | 3.08     | 20       | 0.55     | 291      | <1       | 4.09     | 10       | 470      | 25       | 0.16     | <5       | 3        | 900      | <20      | 0.11 |
| W935250            |                          | 0.05     | 10       | 0.02     | 40       | <1       | 0.01     | 2        | 80       | <2       | <0.01    | <5       | <1       | 18       | <20      | 0.02 |
| W935251            |                          | 2.73     | 30       | 0.91     | 457      | <1       | 4.23     | 18       | 810      | 55       | 0.11     | <5       | 6        | 1490     | <20      | 0.17 |
| W935252            |                          | 0.98     | 20       | 0.62     | 310      | <1       | 3.47     | 16       | 660      | 96       | 1.20     | <5       | 4        | 482      | <20      | 0.09 |
| W935253            |                          | 2.54     | 30       | 0.95     | 472      | <1       | 4.15     | 19       | 890      | 40       | 0.08     | <5       | 6        | 1700     | <20      | 0.17 |
| W935254            |                          | 2.47     | 30       | 0.93     | 471      | <1       | 4.22     | 19       | 880      | 33       | 0.34     | <5       | 6        | 1350     | <20      | 0.17 |
| W935255            |                          | 2.50     | 30       | 0.96     | 481      | <1       | 4.16     | 18       | 890      | 33       | 0.09     | <5       | 6        | 1705     | <20      | 0.17 |
| W935256            |                          | 2.60     | 30       | 0.98     | 526      | <1       | 3.98     | 19       | 910      | 26       | 0.19     | <5       | 6        | 1185     | <20      | 0.17 |
| W935257            |                          | 2.28     | 20       | 0.45     | 167      | <1       | 0.58     | 10       | 370      | 12       | 0.39     | <5       | 3        | 84       | <20      | 0.08 |
| W935258            |                          | 2.53     | 30       | 0.98     | 497      | <1       | 4.03     | 20       | 890      | 30       | 0.39     | <5       | 6        | 1040     | <20      | 0.17 |
| W935259            |                          | 2.63     | 30       | 0.98     | 487      | <1       | 4.45     | 20       | 900      | 30       | 0.01     | <5       | 6        | 1915     | <20      | 0.18 |
| W935260            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935261            |                          | 2.23     | 30       | 0.84     | 444      | <1       | 4.31     | 18       | 750      | 31       | 0.19     | <5       | 5        | 1145     | <20      | 0.15 |
| W935262            |                          | 2.41     | 30       | 0.87     | 442      | <1       | 4.13     | 18       | 790      | 32       | 0.06     | <5       | 5        | 1560     | <20      | 0.16 |
| W935263            |                          | 2.52     | 30       | 0.81     | 393      | <1       | 4.09     | 17       | 800      | 36       | 0.10     | <5       | 5        | 1170     | <20      | 0.15 |
| W935264            |                          | 2.39     | 20       | 0.79     | 387      | <1       | 4.05     | 15       | 740      | 27       | 0.21     | <5       | 5        | 876      | <20      | 0.14 |
| W935265            |                          | 2.59     | 30       | 0.84     | 484      | <1       | 4.14     | 17       | 770      | 32       | 0.05     | <5       | 5        | 1110     | <20      | 0.16 |
| W935266            |                          | 2.68     | 30       | 0.83     | 454      | <1       | 4.26     | 17       | 790      | 26       | 0.05     | <5       | 5        | 1095     | <20      | 0.16 |
| W935267            |                          | 2.51     | 30       | 0.88     | 460      | <1       | 4.26     | 17       | 790      | 35       | 0.06     | <5       | 5        | 1555     | <20      | 0.16 |
| W935268            |                          | 2.58     | 30       | 0.86     | 437      | <1       | 4.22     | 18       | 770      | 34       | 0.08     | <5       | 5        | 1255     | <20      | 0.16 |
| W935269            |                          | 2.50     | 30       | 0.84     | 418      | <1       | 4.08     | 16       | 750      | 25       | 0.03     | <5       | 5        | 1330     | <20      | 0.16 |
| W935270            |                          | 0.04     | 10       | 0.01     | 30       | <1       | 0.02     | 2        | 40       | 2        | <0.01    | <5       | 1        | 16       | <20      | 0.02 |
| W935271            |                          | 2.14     | 30       | 0.78     | 416      | <1       | 4.00     | 15       | 710      | 83       | 0.72     | <5       | 5        | 898      | <20      | 0.13 |
| W935272            |                          | 2.67     | 30       | 0.97     | 444      | <1       | 4.12     | 17       | 790      | 28       | 0.03     | <5       | 6        | 1375     | <20      | 0.17 |
| W935273            |                          | 2.43     | 30       | 0.78     | 407      | <1       | 4.09     | 16       | 710      | 39       | 0.19     | <5       | 5        | 1075     | <20      | 0.15 |
| W935274            |                          | 2.09     | 30       | 0.72     | 413      | <1       | 4.21     | 16       | 730      | 37       | 0.29     | <5       | 5        | 990      | <20      | 0.14 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W935235            |                                   | <10      | <10      | 49       | <10      | 57       |
| W935236            |                                   | 10       | <10      | 59       | <10      | 59       |
| W935237            |                                   | <10      | <10      | 60       | <10      | 65       |
| W935238            |                                   | <10      | <10      | 58       | <10      | 61       |
| W935239            |                                   | <10      | <10      | 59       | <10      | 67       |
| W935240            |                                   |          |          |          |          |          |
| W935241            |                                   | <10      | <10      | 55       | <10      | 63       |
| W935242            |                                   | <10      | <10      | 44       | <10      | 39       |
| W935243            |                                   | <10      | <10      | 20       | <10      | 18       |
| W935244            |                                   | <10      | <10      | 67       | <10      | 55       |
| W935245            |                                   | <10      | <10      | 57       | <10      | 66       |
| W935246            |                                   | <10      | <10      | 32       | <10      | 34       |
| W935247            |                                   | <10      | <10      | 56       | <10      | 60       |
| W935248            |                                   | <10      | 20       | 45       | <10      | 42       |
| W935249            |                                   | <10      | <10      | 35       | <10      | 38       |
| W935250            |                                   | <10      | <10      | 3        | <10      | 2        |
| W935251            |                                   | <10      | <10      | 53       | <10      | 58       |
| W935252            |                                   | <10      | <10      | 35       | <10      | 35       |
| W935253            |                                   | <10      | <10      | 54       | <10      | 61       |
| W935254            |                                   | <10      | <10      | 55       | <10      | 59       |
| W935255            |                                   | <10      | <10      | 55       | <10      | 63       |
| W935256            |                                   | <10      | <10      | 59       | <10      | 62       |
| W935257            |                                   | <10      | <10      | 72       | <10      | 44       |
| W935258            |                                   | <10      | <10      | 66       | <10      | 66       |
| W935259            |                                   | <10      | <10      | 55       | <10      | 64       |
| W935260            |                                   |          |          |          |          |          |
| W935261            |                                   | <10      | <10      | 47       | <10      | 54       |
| W935262            |                                   | <10      | <10      | 50       | <10      | 59       |
| W935263            |                                   | <10      | <10      | 49       | <10      | 57       |
| W935264            |                                   | <10      | <10      | 46       | <10      | 55       |
| W935265            |                                   | <10      | <10      | 48       | 10       | 57       |
| W935266            |                                   | <10      | <10      | 48       | <10      | 56       |
| W935267            |                                   | <10      | <10      | 50       | <10      | 59       |
| W935268            |                                   | <10      | <10      | 49       | <10      | 57       |
| W935269            |                                   | <10      | <10      | 47       | <10      | 55       |
| W935270            |                                   | <10      | <10      | 4        | <10      | 2        |
| W935271            |                                   | <10      | <10      | 47       | <10      | 51       |
| W935272            |                                   | <10      | <10      | 53       | <10      | 56       |
| W935273            |                                   | <10      | <10      | 46       | <10      | 51       |
| W935274            |                                   | <10      | <10      | 44       | <10      | 50       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description | Method  | WEI-21    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|---------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    | Analyte | Recvd Wt. | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga       |
|                    | Units   | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      |
|                    | LOD     | 0.02      | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       |
| W935275            |         | 0.99      | 0.01    | <0.5     | 7.46     | <5       | 2440     | 2.6      | <2       | 1.72     | <0.5     | 7        | 29       | 19       | 1.84     | 20       |
| W935276            |         | 1.01      | 0.03    | <0.5     | 8.00     | <5       | 2560     | 2.6      | 3        | 1.86     | <0.5     | 8        | 31       | 9        | 1.99     | 20       |
| W935277            |         | 0.96      | 0.01    | <0.5     | 6.66     | <5       | 1780     | 2.0      | <2       | 1.66     | <0.5     | 6        | 27       | 32       | 1.84     | 20       |
| W935278            |         | 0.90      | 0.02    | 3.7      | 3.72     | <5       | 940      | 1.1      | 16       | 0.86     | <0.5     | 4        | 19       | 9        | 0.96     | 10       |
| W935279            |         | 0.89      | 0.68    | 6.8      | 5.59     | <5       | 290      | 1.7      | 22       | 1.32     | <0.5     | 11       | 24       | 24       | 2.61     | 20       |
| W935280            |         | 0.06      | 0.51    |          |          |          |          |          |          |          |          |          |          |          |          |          |
| W935281            |         | 1.37      | 0.01    | <0.5     | 7.85     | <5       | 2070     | 2.5      | 2        | 1.62     | <0.5     | 6        | 31       | 30       | 1.76     | 20       |
| W935282            |         | 1.42      | 0.15    | <0.5     | 7.98     | <5       | 2630     | 2.3      | 3        | 2.28     | <0.5     | 6        | 31       | 49       | 1.96     | 20       |
| W935283            |         | 1.75      | <0.01   | <0.5     | 8.44     | <5       | 2760     | 2.6      | <2       | 1.96     | <0.5     | 8        | 33       | 15       | 2.09     | 20       |
| W935284            |         | 0.91      | 0.24    | <0.5     | 7.38     | <5       | 2170     | 2.2      | 3        | 2.02     | <0.5     | 7        | 33       | 17       | 2.03     | 20       |
| W935285            |         | 1.07      | <0.01   | <0.5     | 8.56     | <5       | 2670     | 2.5      | 3        | 2.02     | <0.5     | 7        | 31       | 13       | 2.03     | 20       |
| W935286            |         | 3.57      | 0.03    | <0.5     | 8.87     | <5       | 2790     | 2.7      | <2       | 2.00     | <0.5     | 8        | 32       | 10       | 2.11     | 20       |
| W935287            |         | 2.63      | 0.03    | <0.5     | 7.68     | <5       | 2580     | 2.3      | 3        | 1.90     | <0.5     | 9        | 33       | 23       | 1.87     | 20       |
| W935288            |         | 1.33      | 0.02    | <0.5     | 7.94     | <5       | 2570     | 2.2      | 3        | 1.82     | <0.5     | 7        | 27       | 33       | 1.92     | 20       |
| W935289            |         | 2.20      | <0.01   | <0.5     | 7.96     | <5       | 2560     | 2.3      | 3        | 1.95     | <0.5     | 7        | 30       | 40       | 1.85     | 20       |
| W935290            |         | 0.31      | 0.02    | <0.5     | 0.89     | <5       | 40       | <0.5     | 3        | 0.06     | <0.5     | 1        | 10       | 2        | 0.73     | <10      |
| W935291            |         | 1.23      | 0.01    | <0.5     | 7.96     | <5       | 2610     | 2.5      | <2       | 1.96     | <0.5     | 7        | 29       | 21       | 1.86     | 20       |
| W935292            |         | 2.33      | <0.01   | <0.5     | 7.81     | <5       | 2560     | 2.3      | 3        | 1.99     | <0.5     | 7        | 28       | 20       | 1.86     | 20       |
| W935293            |         | 0.90      | 0.03    | <0.5     | 7.62     | <5       | 2630     | 1.9      | 3        | 1.99     | <0.5     | 7        | 28       | 14       | 1.83     | 20       |
| W935294            |         | 0.71      | 0.01    | 7.6      | 7.03     | <5       | 2530     | 1.8      | 34       | 1.96     | <0.5     | 8        | 39       | 25       | 2.19     | 20       |
| W935295            |         | 2.15      | <0.01   | <0.5     | 7.04     | <5       | 2420     | 2.2      | 4        | 2.81     | <0.5     | 14       | 53       | 39       | 3.04     | 20       |
| W935296            |         | 0.93      | 0.03    | <0.5     | 6.71     | <5       | 2600     | 2.0      | 2        | 3.13     | <0.5     | 12       | 49       | 24       | 2.88     | 20       |
| W935297            |         | 2.65      | <0.01   | <0.5     | 7.32     | <5       | 2680     | 2.1      | 3        | 3.15     | <0.5     | 15       | 58       | 28       | 3.33     | 20       |
| W935298            |         | 0.82      | 0.12    | <0.5     | 7.19     | <5       | 2800     | 1.9      | 4        | 3.57     | <0.5     | 13       | 53       | 56       | 2.97     | 20       |
| W935299            |         | 0.79      | 0.02    | <0.5     | 7.41     | <5       | 2620     | 1.8      | 3        | 3.63     | <0.5     | 13       | 51       | 57       | 2.98     | 20       |
| W935300            |         | 0.06      | 0.52    |          |          |          |          |          |          |          |          |          |          |          |          |          |
| W935301            |         | 1.81      | <0.01   | <0.5     | 7.45     | <5       | 2290     | 2.1      | 3        | 2.78     | <0.5     | 15       | 57       | 37       | 3.28     | 20       |
| W935302            |         | 1.34      | <0.01   | <0.5     | 7.36     | <5       | 2520     | 2.1      | 2        | 2.92     | <0.5     | 14       | 59       | 91       | 3.27     | 20       |
| W935303            |         | 2.10      | <0.01   | <0.5     | 7.32     | <5       | 2520     | 2.0      | 2        | 2.89     | <0.5     | 14       | 59       | 46       | 3.32     | 20       |
| W935304            |         | 2.90      | <0.01   | <0.5     | 7.34     | <5       | 2600     | 2.3      | 4        | 2.66     | <0.5     | 13       | 52       | 26       | 2.88     | 20       |
| W935305            |         | 0.72      | 4.04    | <0.5     | 6.81     | <5       | 1420     | 2.3      | 3        | 2.19     | <0.5     | 10       | 34       | 27       | 1.99     | 20       |
| W935306            |         | 3.55      | <0.01   | <0.5     | 7.71     | <5       | 2280     | 2.4      | 3        | 2.76     | <0.5     | 13       | 52       | 11       | 2.91     | 20       |
| W935307            |         | 2.91      | <0.01   | <0.5     | 7.54     | <5       | 2500     | 2.3      | 2        | 2.51     | <0.5     | 12       | 47       | 14       | 2.78     | 20       |
| W935308            |         | 0.98      | 0.02    | <0.5     | 7.59     | <5       | 2430     | 2.2      | 4        | 2.48     | <0.5     | 10       | 44       | 51       | 2.69     | 20       |
| W935309            |         | 2.76      | <0.01   | <0.5     | 7.64     | <5       | 2510     | 2.2      | 2        | 2.37     | <0.5     | 12       | 50       | 16       | 2.76     | 20       |
| W935310            |         | 0.38      | <0.01   | <0.5     | 1.14     | <5       | 30       | <0.5     | <2       | 0.03     | <0.5     | 1        | 14       | <1       | 0.76     | <10      |
| W935311            |         | 1.11      | <0.01   | <0.5     | 7.44     | <5       | 2480     | 2.1      | 3        | 2.54     | <0.5     | 9        | 45       | 17       | 2.75     | 20       |
| W935312            |         | 0.88      | 0.24    | <0.5     | 5.29     | <5       | 1800     | 1.4      | 3        | 2.45     | <0.5     | 9        | 33       | 45       | 2.04     | 10       |
| W935313            |         | 3.02      | 0.01    | <0.5     | 7.39     | <5       | 2570     | 2.1      | 5        | 2.53     | <0.5     | 12       | 48       | 24       | 2.70     | 20       |
| W935314            |         | 1.76      | 0.02    | <0.5     | 7.02     | <5       | 2930     | 2.3      | 4        | 2.68     | <0.5     | 11       | 49       | 142      | 2.64     | 20       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

Page: 5 - B  
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 Plus Appendix Pages  
 Finalized Date: 8-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
|                    |                          | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01 |
| W935275            |                          | 2.23     | 30       | 0.81     | 411      | <1       | 4.08     | 15       | 710      | 26       | 0.08     | <5       | 5        | 1260     | <20      | 0.15 |
| W935276            |                          | 2.47     | 30       | 0.84     | 431      | <1       | 4.32     | 16       | 790      | 59       | 0.15     | <5       | 5        | 1275     | <20      | 0.16 |
| W935277            |                          | 1.35     | 20       | 0.62     | 348      | <1       | 4.04     | 12       | 600      | 28       | 0.59     | <5       | 5        | 647      | <20      | 0.12 |
| W935278            |                          | 0.52     | 10       | 0.21     | 168      | <1       | 2.34     | 4        | 340      | 389      | 0.58     | <5       | 2        | 186      | <20      | 0.05 |
| W935279            |                          | 1.47     | 20       | 0.46     | 262      | 1        | 2.94     | 14       | 550      | 702      | 1.94     | <5       | 3        | 294      | <20      | 0.08 |
| W935280            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935281            |                          | 2.48     | 20       | 0.69     | 360      | <1       | 4.22     | 11       | 620      | 37       | 0.16     | <5       | 4        | 768      | <20      | 0.14 |
| W935282            |                          | 2.38     | 20       | 0.84     | 510      | <1       | 4.60     | 17       | 800      | 20       | 0.34     | <5       | 5        | 521      | <20      | 0.17 |
| W935283            |                          | 2.78     | 30       | 0.92     | 474      | <1       | 4.61     | 16       | 800      | 35       | 0.13     | <5       | 5        | 1385     | <20      | 0.17 |
| W935284            |                          | 2.68     | 30       | 0.86     | 457      | 1        | 3.53     | 16       | 790      | 32       | 0.39     | <5       | 5        | 742      | <20      | 0.16 |
| W935285            |                          | 2.70     | 30       | 0.87     | 457      | <1       | 4.62     | 16       | 780      | 46       | 0.14     | <5       | 5        | 1435     | <20      | 0.17 |
| W935286            |                          | 2.75     | 30       | 0.92     | 469      | 1        | 4.70     | 21       | 810      | 35       | 0.09     | <5       | 5        | 1575     | <20      | 0.17 |
| W935287            |                          | 2.50     | 30       | 0.82     | 430      | 4        | 4.39     | 18       | 760      | 53       | 0.24     | <5       | 5        | 1165     | <20      | 0.16 |
| W935288            |                          | 2.76     | 30       | 0.84     | 428      | 1        | 4.33     | 20       | 730      | 41       | 0.17     | <5       | 5        | 1075     | <20      | 0.15 |
| W935289            |                          | 2.60     | 20       | 0.80     | 401      | 1        | 4.47     | 18       | 740      | 43       | 0.25     | <5       | 5        | 1035     | <20      | 0.15 |
| W935290            |                          | 0.13     | 10       | 0.04     | 51       | <1       | 0.11     | 3        | 80       | 3        | 0.01     | <5       | 1        | 30       | <20      | 0.04 |
| W935291            |                          | 2.66     | 20       | 0.79     | 433      | 2        | 4.69     | 18       | 740      | 35       | 0.22     | 5        | 5        | 1100     | <20      | 0.15 |
| W935292            |                          | 2.49     | 20       | 0.72     | 405      | 3        | 4.53     | 16       | 720      | 43       | 0.37     | <5       | 5        | 947      | <20      | 0.15 |
| W935293            |                          | 2.70     | 20       | 0.74     | 400      | <1       | 4.33     | 18       | 720      | 45       | 0.21     | <5       | 5        | 1060     | <20      | 0.14 |
| W935294            |                          | 2.53     | 30       | 1.01     | 452      | <1       | 3.78     | 19       | 880      | 833      | 0.40     | <5       | 6        | 848      | <20      | 0.15 |
| W935295            |                          | 2.57     | 30       | 1.52     | 638      | <1       | 3.59     | 22       | 1320     | 79       | 0.23     | <5       | 9        | 1045     | <20      | 0.22 |
| W935296            |                          | 2.47     | 30       | 1.39     | 646      | <1       | 3.70     | 21       | 1240     | 39       | 0.42     | <5       | 8        | 807      | <20      | 0.20 |
| W935297            |                          | 2.72     | 40       | 1.68     | 725      | <1       | 3.54     | 26       | 1440     | 34       | 0.13     | <5       | 9        | 1145     | <20      | 0.24 |
| W935298            |                          | 2.77     | 40       | 1.50     | 769      | <1       | 3.83     | 27       | 1370     | 43       | 0.51     | <5       | 9        | 665      | <20      | 0.21 |
| W935299            |                          | 2.76     | 40       | 1.53     | 786      | <1       | 3.78     | 22       | 1350     | 24       | 0.41     | <5       | 9        | 769      | <20      | 0.20 |
| W935300            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935301            |                          | 2.52     | 40       | 1.70     | 658      | <1       | 3.68     | 25       | 1470     | 33       | 0.11     | <5       | 10       | 1220     | <20      | 0.24 |
| W935302            |                          | 2.32     | 40       | 1.75     | 689      | <1       | 3.80     | 27       | 1490     | 43       | 0.38     | <5       | 10       | 941      | <20      | 0.24 |
| W935303            |                          | 2.54     | 50       | 1.75     | 685      | <1       | 3.63     | 26       | 1520     | 35       | 0.34     | <5       | 10       | 984      | <20      | 0.23 |
| W935304            |                          | 2.80     | 40       | 1.48     | 583      | <1       | 3.49     | 24       | 1280     | 33       | 0.18     | <5       | 9        | 918      | <20      | 0.22 |
| W935305            |                          | 1.95     | 30       | 0.84     | 403      | <1       | 3.99     | 16       | 810      | 38       | 0.76     | <5       | 5        | 331      | <20      | 0.15 |
| W935306            |                          | 2.71     | 40       | 1.47     | 625      | <1       | 3.81     | 23       | 1160     | 31       | 0.06     | <5       | 9        | 1170     | <20      | 0.22 |
| W935307            |                          | 2.73     | 40       | 1.35     | 602      | <1       | 3.74     | 23       | 1080     | 31       | 0.07     | <5       | 8        | 1085     | <20      | 0.21 |
| W935308            |                          | 2.78     | 40       | 1.26     | 555      | <1       | 3.93     | 23       | 1070     | 27       | 0.30     | <5       | 8        | 928      | 20       | 0.19 |
| W935309            |                          | 2.82     | 40       | 1.38     | 579      | <1       | 3.78     | 25       | 1080     | 29       | 0.15     | <5       | 8        | 940      | <20      | 0.21 |
| W935310            |                          | 0.07     | 20       | 0.02     | 29       | <1       | 0.03     | 1        | 70       | <2       | <0.01    | <5       | 1        | 27       | <20      | 0.03 |
| W935311            |                          | 2.76     | 40       | 1.30     | 552      | <1       | 3.67     | 20       | 1070     | 34       | 0.06     | <5       | 8        | 908      | <20      | 0.20 |
| W935312            |                          | 1.09     | 30       | 0.79     | 455      | 2        | 3.33     | 16       | 690      | 23       | 0.95     | <5       | 5        | 315      | <20      | 0.12 |
| W935313            |                          | 2.69     | 40       | 1.31     | 519      | <1       | 3.70     | 23       | 1080     | 37       | 0.22     | <5       | 8        | 807      | <20      | 0.19 |
| W935314            |                          | 2.17     | 30       | 1.25     | 587      | <1       | 4.21     | 21       | 1050     | 30       | 0.76     | <5       | 7        | 533      | <20      | 0.18 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W935275            |                                   | <10      | <10      | 46       | <10      | 53       |
| W935276            |                                   | <10      | <10      | 48       | <10      | 55       |
| W935277            |                                   | <10      | <10      | 41       | <10      | 40       |
| W935278            |                                   | <10      | <10      | 21       | <10      | 15       |
| W935279            |                                   | <10      | <10      | 30       | <10      | 30       |
| W935280            |                                   |          |          |          |          |          |
| W935281            |                                   | <10      | <10      | 43       | <10      | 44       |
| W935282            |                                   | <10      | <10      | 50       | 10       | 48       |
| W935283            |                                   | <10      | <10      | 52       | <10      | 57       |
| W935284            |                                   | <10      | <10      | 55       | <10      | 49       |
| W935285            |                                   | <10      | <10      | 50       | <10      | 56       |
| W935286            |                                   | <10      | <10      | 52       | <10      | 59       |
| W935287            |                                   | <10      | <10      | 47       | <10      | 58       |
| W935288            |                                   | <10      | <10      | 47       | <10      | 58       |
| W935289            |                                   | <10      | <10      | 49       | <10      | 60       |
| W935290            |                                   | <10      | <10      | 6        | <10      | 18       |
| W935291            |                                   | <10      | <10      | 47       | <10      | 55       |
| W935292            |                                   | <10      | <10      | 46       | <10      | 52       |
| W935293            |                                   | <10      | <10      | 44       | <10      | 46       |
| W935294            |                                   | <10      | <10      | 52       | <10      | 49       |
| W935295            |                                   | <10      | <10      | 80       | <10      | 70       |
| W935296            |                                   | <10      | <10      | 75       | <10      | 65       |
| W935297            |                                   | <10      | <10      | 87       | <10      | 72       |
| W935298            |                                   | <10      | <10      | 83       | <10      | 64       |
| W935299            |                                   | <10      | <10      | 78       | <10      | 67       |
| W935300            |                                   |          |          |          |          |          |
| W935301            |                                   | <10      | <10      | 87       | <10      | 75       |
| W935302            |                                   | <10      | <10      | 89       | <10      | 76       |
| W935303            |                                   | <10      | <10      | 89       | <10      | 76       |
| W935304            |                                   | <10      | <10      | 76       | <10      | 68       |
| W935305            |                                   | <10      | 10       | 66       | <10      | 48       |
| W935306            |                                   | <10      | <10      | 76       | <10      | 67       |
| W935307            |                                   | <10      | <10      | 72       | <10      | 64       |
| W935308            |                                   | <10      | <10      | 66       | <10      | 61       |
| W935309            |                                   | <10      | <10      | 72       | <10      | 65       |
| W935310            |                                   | <10      | <10      | 6        | <10      | 2        |
| W935311            |                                   | <10      | <10      | 72       | <10      | 69       |
| W935312            |                                   | <10      | <10      | 47       | <10      | 43       |
| W935313            |                                   | <10      | <10      | 70       | <10      | 71       |
| W935314            |                                   | <10      | <10      | 70       | <10      | 68       |





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description | Method  | WEI-21    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |     |
|--------------------|---------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|
|                    | Analyte | Recvd Wt. | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga  |
|                    | Units   | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm |
|                    | LOD     | 0.02      | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10  |
| W935315            |         | 2.30      | 0.03    | <0.5     | 7.21     | <5       | 3020     | 2.1      | 2        | 2.61     | <0.5     | 11       | 44       | 112      | 2.67     | 20  |
| W935316            |         | 3.46      | <0.01   | <0.5     | 7.69     | <5       | 2990     | 2.1      | 7        | 2.59     | <0.5     | 12       | 48       | 38       | 2.88     | 20  |
| W935317            |         | 0.99      | 0.02    | <0.5     | 7.15     | <5       | 2600     | 2.0      | 3        | 2.30     | <0.5     | 11       | 42       | 39       | 2.48     | 20  |
| W935318            |         | 2.14      | 0.01    | <0.5     | 7.16     | <5       | 2630     | 2.0      | 2        | 2.33     | <0.5     | 11       | 47       | 24       | 2.69     | 20  |
| W935319            |         | 1.84      | 0.02    | <0.5     | 7.05     | <5       | 2520     | 2.0      | 2        | 2.63     | <0.5     | 10       | 42       | 28       | 2.52     | 20  |
| W935320            |         | 0.06      | 0.52    |          |          |          |          |          |          |          |          |          |          |          |          |     |
| W935321            |         | 3.04      | 0.02    | <0.5     | 7.26     | <5       | 2770     | 2.1      | <2       | 2.90     | <0.5     | 12       | 46       | 18       | 2.81     | 20  |
| W935322            |         | 1.83      | <0.01   | <0.5     | 7.40     | <5       | 2850     | 2.1      | 3        | 2.77     | <0.5     | 11       | 47       | 20       | 2.81     | 20  |
| W935323            |         | 0.95      | 0.29    | <0.5     | 7.23     | <5       | 2380     | 2.1      | 3        | 2.44     | <0.5     | 10       | 34       | 19       | 2.34     | 20  |
| W935324            |         | 1.72      | 0.17    | <0.5     | 6.91     | <5       | 2740     | 2.1      | 3        | 2.81     | <0.5     | 11       | 43       | 23       | 2.60     | 20  |
| W935325            |         | 2.55      | 0.01    | <0.5     | 7.22     | <5       | 2710     | 2.3      | 4        | 2.65     | <0.5     | 12       | 44       | 22       | 2.67     | 20  |
| W935326            |         | 2.19      | <0.01   | <0.5     | 7.73     | <5       | 2810     | 2.6      | 5        | 2.49     | <0.5     | 12       | 43       | 18       | 2.82     | 20  |
| W935327            |         | 1.01      | 0.11    | <0.5     | 7.33     | <5       | 2140     | 2.8      | 5        | 2.80     | <0.5     | 11       | 43       | 17       | 2.63     | 20  |
| W935328            |         | 1.39      | 0.07    | <0.5     | 7.11     | <5       | 2590     | 2.3      | <2       | 2.79     | <0.5     | 11       | 40       | 39       | 2.63     | 20  |
| W935329            |         | 1.91      | <0.01   | <0.5     | 7.35     | <5       | 2990     | 2.3      | 5        | 2.48     | <0.5     | 11       | 43       | 35       | 2.62     | 20  |
| W935330            |         | 0.48      | <0.01   | <0.5     | 0.64     | <5       | 30       | <0.5     | <2       | 0.02     | <0.5     | 1        | 11       | <1       | 0.76     | <10 |
| W935331            |         | 2.18      | <0.01   | <0.5     | 7.48     | <5       | 2520     | 2.3      | 5        | 2.27     | <0.5     | 11       | 42       | 49       | 2.59     | 20  |
| W935332            |         | 0.37      | <0.01   | <0.5     | 7.00     | <5       | 3380     | 2.4      | 4        | 2.53     | <0.5     | 10       | 38       | 85       | 2.48     | 20  |
| W935333            |         | 0.46      | <0.01   | <0.5     | 7.31     | <5       | 3300     | 1.9      | 5        | 2.50     | <0.5     | 11       | 39       | 62       | 2.65     | 20  |
| W935334            |         | 2.04      | <0.01   | <0.5     | 7.58     | <5       | 2820     | 2.1      | 3        | 2.49     | <0.5     | 11       | 42       | 31       | 2.72     | 20  |
| W935335            |         | 0.72      | 0.03    | <0.5     | 6.67     | <5       | 2030     | 2.4      | <2       | 2.73     | <0.5     | 10       | 42       | 39       | 2.44     | 20  |
| W935336            |         | 1.46      | 0.01    | <0.5     | 7.49     | <5       | 2520     | 2.0      | 5        | 2.87     | <0.5     | 12       | 43       | 46       | 2.64     | 20  |
| W935337            |         | 1.79      | <0.01   | <0.5     | 7.68     | <5       | 2590     | 2.1      | <2       | 2.24     | <0.5     | 12       | 45       | 43       | 2.93     | 20  |
| W935338            |         | 3.76      | <0.01   | <0.5     | 7.64     | <5       | 2660     | 2.0      | 5        | 2.30     | <0.5     | 12       | 43       | 29       | 2.82     | 20  |
| W935339            |         | 0.92      | <0.01   | <0.5     | 7.90     | <5       | 2710     | 1.9      | 4        | 2.33     | <0.5     | 12       | 45       | 10       | 2.97     | 20  |
| W935340            |         | 0.06      | 0.52    |          |          |          |          |          |          |          |          |          |          |          |          |     |
| W935341            |         | 0.65      | 0.28    | 2.4      | 6.33     | <5       | 1520     | 1.7      | 16       | 3.70     | <0.5     | 10       | 36       | 35       | 2.30     | 20  |
| W935342            |         | 1.85      | <0.01   | <0.5     | 7.62     | <5       | 3140     | 1.9      | 3        | 2.96     | <0.5     | 11       | 45       | 37       | 2.74     | 20  |
| W935343            |         | 1.42      | <0.01   | <0.5     | 7.80     | <5       | 2830     | 2.0      | 2        | 2.41     | <0.5     | 13       | 44       | 41       | 2.88     | 20  |
| W935344            |         | 2.90      | 0.01    | <0.5     | 7.74     | <5       | 2820     | 1.9      | 3        | 2.53     | <0.5     | 12       | 46       | 8        | 2.83     | 20  |
| W935345            |         | 1.47      | 0.05    | <0.5     | 7.02     | <5       | 2940     | 2.1      | 4        | 3.64     | <0.5     | 10       | 41       | 45       | 2.49     | 20  |
| W935346            |         | 1.22      | 0.11    | <0.5     | 7.08     | <5       | 530      | 3.3      | 3        | 1.72     | <0.5     | 7        | 38       | 2        | 2.29     | 20  |
| W935347            |         | 1.58      | 0.17    | <0.5     | 6.99     | <5       | 640      | 2.3      | 5        | 3.54     | <0.5     | 11       | 38       | 46       | 2.16     | 20  |
| W935348            |         | 1.66      | 0.25    | <0.5     | 6.97     | <5       | 1490     | 1.9      | 2        | 4.65     | <0.5     | 14       | 36       | 10       | 2.69     | 20  |
| W935349            |         | 2.46      | 0.01    | <0.5     | 7.60     | <5       | 1770     | 1.8      | 2        | 2.20     | <0.5     | 11       | 37       | 17       | 2.91     | 20  |
| W935350            |         | 0.48      | <0.01   | <0.5     | 0.78     | <5       | 20       | <0.5     | <2       | 0.03     | <0.5     | 2        | 12       | <1       | 0.75     | <10 |
| W935351            |         | 2.67      | 0.01    | <0.5     | 7.08     | <5       | 2080     | 1.8      | 4        | 3.69     | <0.5     | 13       | 42       | 29       | 3.33     | 20  |
| W935352            |         | 2.39      | <0.01   | <0.5     | 7.31     | <5       | 2200     | 2.0      | 2        | 2.94     | <0.5     | 15       | 83       | 43       | 3.38     | 20  |
| W935353            |         | 2.43      | <0.01   | <0.5     | 7.62     | <5       | 2370     | 2.0      | 4        | 2.80     | <0.5     | 14       | 30       | 5        | 3.32     | 20  |
| W935354            |         | 2.50      | <0.01   | <0.5     | 7.62     | <5       | 2560     | 2.0      | 6        | 2.75     | <0.5     | 14       | 32       | 23       | 3.45     | 20  |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
|                    |                          | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01 |
| W935315            |                          | 2.17     | 40       | 1.23     | 575      | <1       | 4.25     | 23       | 1090     | 54       | 0.74     | <5       | 8        | 755      | <20      | 0.19 |
| W935316            |                          | 2.78     | 40       | 1.41     | 619      | <1       | 3.98     | 23       | 1150     | 33       | 0.32     | <5       | 9        | 1100     | <20      | 0.22 |
| W935317            |                          | 2.63     | 30       | 1.19     | 551      | <1       | 3.68     | 21       | 970      | 26       | 0.26     | <5       | 7        | 842      | <20      | 0.18 |
| W935318            |                          | 2.52     | 40       | 1.34     | 556      | <1       | 3.63     | 20       | 1060     | 24       | 0.15     | <5       | 8        | 967      | <20      | 0.19 |
| W935319            |                          | 2.72     | 30       | 1.18     | 565      | <1       | 3.71     | 20       | 980      | 27       | 0.21     | <5       | 7        | 852      | <20      | 0.18 |
| W935320            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935321            |                          | 2.30     | 30       | 1.32     | 637      | <1       | 4.25     | 24       | 1110     | 27       | 0.24     | <5       | 7        | 864      | <20      | 0.20 |
| W935322            |                          | 2.75     | 30       | 1.26     | 623      | 3        | 4.19     | 24       | 1110     | 24       | 0.22     | <5       | 7        | 818      | <20      | 0.21 |
| W935323            |                          | 1.45     | 30       | 1.02     | 524      | 38       | 4.81     | 18       | 940      | 24       | 0.95     | 5        | 6        | 486      | <20      | 0.13 |
| W935324            |                          | 1.84     | 30       | 1.20     | 604      | 1        | 3.99     | 22       | 1020     | 30       | 0.55     | <5       | 7        | 750      | <20      | 0.18 |
| W935325            |                          | 2.47     | 30       | 1.28     | 593      | 1        | 3.65     | 23       | 1070     | 39       | 0.11     | 5        | 7        | 1160     | <20      | 0.20 |
| W935326            |                          | 2.64     | 40       | 1.34     | 580      | 1        | 3.74     | 25       | 1080     | 36       | 0.07     | <5       | 8        | 1290     | <20      | 0.21 |
| W935327            |                          | 2.92     | 30       | 1.28     | 571      | <1       | 2.94     | 22       | 1060     | 35       | 0.30     | <5       | 8        | 625      | <20      | 0.20 |
| W935328            |                          | 2.70     | 30       | 1.18     | 576      | 1        | 3.37     | 20       | 1020     | 41       | 0.28     | <5       | 7        | 777      | <20      | 0.19 |
| W935329            |                          | 3.00     | 30       | 1.10     | 465      | <1       | 3.69     | 22       | 1070     | 35       | 0.72     | <5       | 7        | 881      | <20      | 0.18 |
| W935330            |                          | 0.06     | 10       | 0.01     | 32       | <1       | 0.02     | <1       | 60       | <2       | <0.01    | <5       | 1        | 23       | <20      | 0.03 |
| W935331            |                          | 2.69     | 40       | 1.26     | 489      | 1        | 3.79     | 20       | 1040     | 33       | 0.44     | <5       | 8        | 898      | <20      | 0.18 |
| W935332            |                          | 2.63     | 30       | 1.20     | 575      | <1       | 3.54     | 19       | 970      | 32       | 0.51     | <5       | 7        | 785      | <20      | 0.16 |
| W935333            |                          | 2.72     | 40       | 1.26     | 571      | <1       | 3.58     | 19       | 1000     | 32       | 0.59     | <5       | 7        | 835      | <20      | 0.16 |
| W935334            |                          | 2.65     | 30       | 1.24     | 517      | 3        | 3.79     | 21       | 1060     | 36       | 0.15     | <5       | 8        | 1105     | <20      | 0.19 |
| W935335            |                          | 2.48     | 30       | 1.18     | 536      | <1       | 2.77     | 18       | 960      | 24       | 0.14     | <5       | 7        | 268      | <20      | 0.19 |
| W935336            |                          | 2.12     | 40       | 1.24     | 588      | <1       | 3.76     | 24       | 990      | 36       | 0.27     | <5       | 8        | 685      | <20      | 0.20 |
| W935337            |                          | 2.67     | 40       | 1.42     | 583      | <1       | 3.63     | 25       | 1070     | 26       | 0.07     | <5       | 8        | 1110     | <20      | 0.22 |
| W935338            |                          | 2.65     | 50       | 1.40     | 587      | <1       | 3.69     | 21       | 1090     | 26       | 0.07     | <5       | 8        | 1115     | <20      | 0.21 |
| W935339            |                          | 2.70     | 50       | 1.42     | 555      | <1       | 3.81     | 24       | 1110     | 27       | 0.05     | <5       | 9        | 1250     | <20      | 0.23 |
| W935340            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935341            |                          | 1.49     | 40       | 0.94     | 638      | 3        | 3.70     | 18       | 970      | 235      | 0.84     | <5       | 8        | 566      | <20      | 0.16 |
| W935342            |                          | 2.41     | 40       | 1.31     | 640      | <1       | 3.92     | 23       | 1080     | 32       | 0.27     | <5       | 8        | 1160     | <20      | 0.21 |
| W935343            |                          | 2.67     | 40       | 1.36     | 620      | <1       | 3.86     | 22       | 1070     | 27       | 0.11     | <5       | 8        | 1355     | <20      | 0.22 |
| W935344            |                          | 2.71     | 40       | 1.39     | 634      | <1       | 3.90     | 22       | 1080     | 22       | 0.07     | <5       | 8        | 1295     | <20      | 0.22 |
| W935345            |                          | 2.24     | 30       | 0.98     | 650      | <1       | 3.94     | 20       | 1040     | 34       | 0.40     | <5       | 7        | 899      | <20      | 0.20 |
| W935346            |                          | 3.33     | 40       | 1.18     | 340      | <1       | 1.67     | 20       | 900      | 12       | 0.38     | <5       | 7        | 106      | <20      | 0.16 |
| W935347            |                          | 3.13     | 30       | 0.62     | 469      | <1       | 3.77     | 19       | 980      | 16       | 0.68     | <5       | 6        | 284      | <20      | 0.18 |
| W935348            |                          | 3.10     | 30       | 0.95     | 658      | <1       | 3.49     | 24       | 890      | 9        | 0.95     | <5       | 7        | 397      | <20      | 0.17 |
| W935349            |                          | 2.93     | 30       | 1.31     | 424      | <1       | 3.45     | 20       | 1050     | 20       | 0.28     | <5       | 8        | 579      | <20      | 0.18 |
| W935350            |                          | 0.07     | 10       | 0.02     | 35       | <1       | 0.03     | 2        | 50       | 2        | 0.01     | <5       | 1        | 21       | <20      | 0.03 |
| W935351            |                          | 2.61     | 40       | 1.52     | 798      | <1       | 3.17     | 26       | 1210     | 29       | 0.12     | <5       | 10       | 986      | <20      | 0.23 |
| W935352            |                          | 2.57     | 50       | 1.89     | 743      | <1       | 3.28     | 59       | 1180     | 35       | 0.28     | <5       | 9        | 914      | <20      | 0.23 |
| W935353            |                          | 2.72     | 50       | 1.48     | 689      | <1       | 3.52     | 16       | 1270     | 34       | 0.05     | <5       | 9        | 1400     | <20      | 0.24 |
| W935354            |                          | 2.68     | 50       | 1.59     | 735      | <1       | 3.57     | 16       | 1390     | 25       | 0.13     | <5       | 10       | 1270     | <20      | 0.26 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W935315            |                                   | <10      | <10      | 71       | <10      | 64       |
| W935316            |                                   | <10      | <10      | 77       | <10      | 65       |
| W935317            |                                   | <10      | <10      | 64       | <10      | 56       |
| W935318            |                                   | <10      | <10      | 71       | <10      | 62       |
| W935319            |                                   | <10      | 10       | 64       | <10      | 56       |
| W935320            |                                   |          |          |          |          |          |
| W935321            |                                   | <10      | <10      | 74       | <10      | 60       |
| W935322            |                                   | <10      | <10      | 70       | <10      | 65       |
| W935323            |                                   | <10      | <10      | 48       | <10      | 42       |
| W935324            |                                   | <10      | <10      | 64       | <10      | 57       |
| W935325            |                                   | <10      | <10      | 69       | <10      | 70       |
| W935326            |                                   | <10      | <10      | 70       | <10      | 66       |
| W935327            |                                   | <10      | <10      | 76       | <10      | 67       |
| W935328            |                                   | <10      | <10      | 69       | <10      | 60       |
| W935329            |                                   | <10      | <10      | 68       | <10      | 59       |
| W935330            |                                   | <10      | <10      | 5        | <10      | 2        |
| W935331            |                                   | <10      | <10      | 70       | <10      | 63       |
| W935332            |                                   | <10      | <10      | 66       | <10      | 62       |
| W935333            |                                   | <10      | <10      | 66       | <10      | 65       |
| W935334            |                                   | <10      | <10      | 70       | <10      | 65       |
| W935335            |                                   | <10      | <10      | 67       | 20       | 65       |
| W935336            |                                   | <10      | <10      | 67       | 10       | 62       |
| W935337            |                                   | <10      | <10      | 75       | <10      | 69       |
| W935338            |                                   | <10      | <10      | 73       | <10      | 66       |
| W935339            |                                   | <10      | <10      | 77       | <10      | 67       |
| W935340            |                                   |          |          |          |          |          |
| W935341            |                                   | <10      | <10      | 55       | <10      | 47       |
| W935342            |                                   | <10      | <10      | 75       | <10      | 65       |
| W935343            |                                   | <10      | <10      | 76       | <10      | 66       |
| W935344            |                                   | <10      | <10      | 75       | <10      | 63       |
| W935345            |                                   | <10      | <10      | 75       | <10      | 51       |
| W935346            |                                   | <10      | <10      | 127      | <10      | 69       |
| W935347            |                                   | <10      | <10      | 77       | <10      | 35       |
| W935348            |                                   | <10      | <10      | 70       | <10      | 48       |
| W935349            |                                   | <10      | <10      | 71       | <10      | 60       |
| W935350            |                                   | <10      | <10      | 6        | <10      | 2        |
| W935351            |                                   | <10      | <10      | 85       | <10      | 69       |
| W935352            |                                   | <10      | <10      | 87       | <10      | 81       |
| W935353            |                                   | <10      | <10      | 85       | <10      | 70       |
| W935354            |                                   | <10      | <10      | 91       | <10      | 74       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description | Method Analyte Units LOD | WEI-21       | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|--------------------------|--------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    |                          | Recvd Wt. kg | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   |
|                    |                          | 0.02         | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 0.01     | 10       |          |
| W935355            |                          | 1.25         | <0.01   | <0.5     | 7.62     | <5       | 2370     | 2.1      | 6        | 2.51     | <0.5     | 14       | 32       | 24       | 3.43     | 20       |
| W935356            |                          | 1.32         | <0.01   | <0.5     | 7.40     | <5       | 2360     | 1.8      | 5        | 2.40     | <0.5     | 11       | 35       | 40       | 2.99     | 20       |
| W935357            |                          | 1.51         | <0.01   | <0.5     | 7.56     | <5       | 2380     | 1.9      | 2        | 2.59     | <0.5     | 13       | 30       | 8        | 3.12     | 20       |
| W935358            |                          | 2.77         | <0.01   | <0.5     | 7.52     | <5       | 2550     | 2.2      | 5        | 2.49     | <0.5     | 12       | 34       | 103      | 3.09     | 20       |
| W935359            |                          | 1.67         | <0.01   | <0.5     | 7.86     | <5       | 2600     | 2.0      | 5        | 2.84     | <0.5     | 12       | 31       | 24       | 3.28     | 20       |
| W935360            |                          | 0.06         | 0.52    |          |          |          |          |          |          |          |          |          |          |          |          |          |
| W935361            |                          | 2.10         | 0.01    | <0.5     | 7.28     | <5       | 2270     | 1.9      | 3        | 4.66     | <0.5     | 19       | 94       | 45       | 3.93     | 20       |
| W935362            |                          | 0.77         | <0.01   | <0.5     | 7.13     | <5       | 2120     | 2.0      | 7        | 2.78     | <0.5     | 16       | 74       | 122      | 3.75     | 20       |
| W935363            |                          | 1.12         | <0.01   | <0.5     | 7.02     | <5       | 1420     | 2.1      | <2       | 2.83     | <0.5     | 19       | 138      | 60       | 4.24     | 20       |
| W935364            |                          | 3.26         | <0.01   | <0.5     | 7.89     | <5       | 2960     | 2.0      | <2       | 2.83     | <0.5     | 12       | 35       | 23       | 3.30     | 20       |
| W935365            |                          | 0.60         | <0.01   | <0.5     | 7.67     | <5       | 2420     | 2.0      | <2       | 2.67     | <0.5     | 13       | 34       | 18       | 3.23     | 20       |
| W935366            |                          | 0.63         | <0.01   | <0.5     | 7.54     | <5       | 2360     | 2.0      | <2       | 2.63     | <0.5     | 12       | 31       | 15       | 3.14     | 20       |
| W935367            |                          | 0.67         | <0.01   | <0.5     | 7.32     | <5       | 1940     | 1.9      | <2       | 2.86     | <0.5     | 10       | 30       | 54       | 2.93     | 20       |
| W935368            |                          | 2.30         | <0.01   | <0.5     | 7.78     | <5       | 2910     | 2.1      | <2       | 2.87     | <0.5     | 12       | 35       | 8        | 3.27     | 20       |
| W935369            |                          | 0.75         | 0.19    | <0.5     | 7.11     | <5       | 2360     | 2.1      | <2       | 3.11     | <0.5     | 11       | 33       | 23       | 3.10     | 20       |
| W935370            |                          | 0.46         | <0.01   | <0.5     | 1.05     | <5       | 30       | <0.5     | <2       | 0.02     | <0.5     | 1        | 12       | 1        | 0.74     | <10      |
| W935371            |                          | 1.42         | <0.01   | <0.5     | 7.51     | <5       | 2620     | 2.0      | <2       | 3.03     | <0.5     | 13       | 34       | 5        | 3.27     | 20       |
| W935372            |                          | 1.45         | <0.01   | <0.5     | 7.55     | <5       | 2580     | 2.1      | <2       | 2.78     | <0.5     | 12       | 35       | 19       | 3.33     | 20       |
| W935373            |                          | 3.05         | <0.01   | <0.5     | 7.60     | <5       | 2540     | 2.1      | <2       | 2.97     | <0.5     | 13       | 46       | 22       | 3.31     | 20       |
| W935374            |                          | 1.28         | <0.01   | <0.5     | 7.81     | <5       | 2390     | 2.1      | <2       | 2.66     | <0.5     | 13       | 39       | 54       | 3.33     | 20       |
| W935375            |                          | 1.56         | <0.01   | <0.5     | 7.66     | <5       | 1910     | 1.9      | <2       | 3.85     | <0.5     | 21       | 94       | 41       | 4.36     | 20       |
| W935376            |                          | 2.53         | <0.01   | <0.5     | 7.93     | <5       | 2570     | 2.2      | <2       | 2.63     | <0.5     | 13       | 33       | 44       | 3.28     | 20       |
| W935377            |                          | 2.32         | <0.01   | <0.5     | 7.66     | <5       | 2470     | 2.1      | <2       | 2.62     | <0.5     | 11       | 32       | 27       | 3.12     | 20       |
| W935378            |                          | 1.53         | <0.01   | <0.5     | 7.51     | <5       | 2150     | 2.1      | <2       | 2.37     | <0.5     | 11       | 35       | 13       | 2.84     | 20       |
| W935379            |                          | 2.17         | 0.01    | <0.5     | 7.28     | <5       | 2220     | 1.9      | <2       | 2.79     | <0.5     | 11       | 32       | 34       | 2.89     | 20       |
| W935380            |                          | 0.06         | 0.56    |          |          |          |          |          |          |          |          |          |          |          |          |          |
| W935381            |                          | 2.09         | 0.02    | <0.5     | 7.34     | <5       | 2670     | 2.0      | <2       | 3.05     | <0.5     | 10       | 31       | 51       | 2.99     | 20       |
| W935382            |                          | 1.33         | <0.01   | <0.5     | 7.46     | <5       | 2140     | 1.8      | <2       | 1.90     | <0.5     | 10       | 31       | 40       | 3.05     | 20       |
| W935383            |                          | 2.01         | <0.01   | <0.5     | 7.78     | <5       | 2390     | 2.1      | <2       | 2.48     | <0.5     | 11       | 34       | 50       | 3.15     | 20       |
| W935384            |                          | 2.54         | <0.01   | <0.5     | 7.67     | <5       | 2490     | 2.1      | <2       | 2.39     | <0.5     | 11       | 33       | 31       | 3.05     | 20       |
| W935385            |                          | 3.58         | <0.01   | <0.5     | 7.67     | <5       | 2570     | 2.1      | <2       | 2.68     | <0.5     | 12       | 33       | 10       | 3.32     | 20       |
| W935386            |                          | 3.24         | <0.01   | <0.5     | 7.44     | <5       | 2510     | 2.1      | <2       | 2.90     | <0.5     | 14       | 57       | 106      | 3.44     | 20       |
| W935387            |                          | 1.67         | <0.01   | <0.5     | 7.26     | <5       | 2020     | 2.9      | <2       | 3.71     | <0.5     | 23       | 183      | 23       | 4.74     | 20       |
| W935388            |                          | 0.79         | 0.01    | <0.5     | 7.01     | <5       | 2720     | 1.7      | <2       | 5.09     | <0.5     | 20       | 133      | 48       | 4.09     | 20       |
| W935389            |                          | 2.27         | <0.01   | <0.5     | 7.23     | <5       | 2110     | 2.4      | <2       | 4.24     | <0.5     | 26       | 177      | 20       | 4.80     | 20       |
| W935390            |                          | 0.50         | <0.01   | <0.5     | 1.20     | <5       | 40       | <0.5     | <2       | 0.05     | <0.5     | 1        | 19       | 1        | 0.88     | <10      |
| W935391            |                          | 0.85         | <0.01   | <0.5     | 7.54     | <5       | 2190     | 2.2      | <2       | 4.17     | <0.5     | 24       | 159      | 49       | 5.00     | 20       |
| W935392            |                          | 3.59         | <0.01   | <0.5     | 7.03     | <5       | 2140     | 2.2      | <2       | 3.95     | <0.5     | 25       | 157      | 54       | 5.08     | 20       |
| W935393            |                          | 2.64         | <0.01   | 0.6      | 7.02     | <5       | 2140     | 2.2      | <2       | 3.61     | <0.5     | 21       | 118      | 91       | 4.44     | 20       |
| W935394            |                          | 2.66         | <0.01   | <0.5     | 7.59     | <5       | 1930     | 2.3      | <2       | 3.55     | <0.5     | 20       | 96       | 125      | 4.31     | 20       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Plus Appendix Pages  
 Finalized Date: 8-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
|                    |                          | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01 |
| W935355            |                          | 2.75     | 50       | 1.56     | 702      | <1       | 3.67     | 17       | 1260     | 29       | 0.15     | <5       | 9        | 1200     | <20      | 0.25 |
| W935356            |                          | 2.77     | 50       | 1.41     | 639      | 1        | 3.54     | 17       | 1210     | 28       | 0.09     | 5        | 9        | 1220     | 20       | 0.23 |
| W935357            |                          | 2.68     | 50       | 1.37     | 652      | 20       | 3.56     | 16       | 1240     | 24       | 0.08     | <5       | 9        | 1355     | <20      | 0.23 |
| W935358            |                          | 2.77     | 50       | 1.39     | 648      | <1       | 3.67     | 18       | 1240     | 43       | 0.49     | <5       | 9        | 1145     | <20      | 0.23 |
| W935359            |                          | 2.88     | 50       | 1.43     | 686      | <1       | 3.72     | 14       | 1330     | 31       | 0.13     | <5       | 9        | 1340     | <20      | 0.24 |
| W935360            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935361            |                          | 2.57     | 50       | 2.26     | 905      | <1       | 3.28     | 36       | 1360     | 28       | 0.39     | <5       | 14       | 847      | <20      | 0.28 |
| W935362            |                          | 2.71     | 40       | 1.72     | 729      | 2        | 3.16     | 49       | 1130     | 64       | 1.06     | <5       | 9        | 907      | <20      | 0.22 |
| W935363            |                          | 2.01     | 40       | 2.89     | 911      | <1       | 3.77     | 43       | 1520     | 24       | 0.55     | <5       | 15       | 812      | <20      | 0.32 |
| W935364            |                          | 2.90     | 50       | 1.50     | 716      | <1       | 3.81     | 19       | 1360     | 25       | 0.05     | <5       | 9        | 1380     | 20       | 0.25 |
| W935365            |                          | 2.82     | 50       | 1.44     | 676      | <1       | 3.64     | 16       | 1310     | 26       | 0.06     | <5       | 9        | 1370     | <20      | 0.24 |
| W935366            |                          | 2.76     | 50       | 1.38     | 647      | 1        | 3.59     | 16       | 1250     | 24       | 0.11     | <5       | 9        | 1410     | 20       | 0.23 |
| W935367            |                          | 2.67     | 40       | 1.35     | 699      | 1        | 3.55     | 12       | 1210     | 63       | 0.56     | <5       | 8        | 882      | <20      | 0.22 |
| W935368            |                          | 2.73     | 50       | 1.49     | 714      | <1       | 3.80     | 18       | 1330     | 26       | 0.05     | <5       | 9        | 1590     | <20      | 0.24 |
| W935369            |                          | 2.09     | 40       | 1.36     | 647      | <1       | 3.71     | 14       | 1260     | 31       | 0.69     | <5       | 9        | 866      | <20      | 0.22 |
| W935370            |                          | 0.05     | 10       | 0.02     | 34       | <1       | 0.02     | 1        | 60       | <2       | <0.01    | <5       | 1        | 24       | <20      | 0.03 |
| W935371            |                          | 2.63     | 40       | 1.48     | 728      | <1       | 3.77     | 16       | 1320     | 28       | 0.05     | <5       | 9        | 1460     | <20      | 0.24 |
| W935372            |                          | 2.73     | 50       | 1.49     | 715      | <1       | 3.77     | 16       | 1340     | 27       | 0.03     | <5       | 9        | 1390     | <20      | 0.24 |
| W935373            |                          | 2.79     | 50       | 1.61     | 721      | 1        | 3.65     | 20       | 1300     | 32       | 0.07     | <5       | 9        | 1280     | <20      | 0.25 |
| W935374            |                          | 3.00     | 50       | 1.56     | 681      | 1        | 3.70     | 20       | 1300     | 27       | 0.15     | <5       | 9        | 1270     | <20      | 0.24 |
| W935375            |                          | 2.54     | 40       | 2.60     | 851      | <1       | 3.84     | 36       | 1570     | 28       | 0.15     | <5       | 14       | 1230     | <20      | 0.32 |
| W935376            |                          | 3.04     | 50       | 1.48     | 691      | <1       | 3.83     | 17       | 1330     | 26       | 0.10     | <5       | 9        | 1300     | 20       | 0.24 |
| W935377            |                          | 2.91     | 50       | 1.42     | 666      | <1       | 3.75     | 15       | 1280     | 22       | 0.09     | <5       | 9        | 1190     | <20      | 0.23 |
| W935378            |                          | 2.80     | 40       | 1.30     | 600      | 1        | 3.73     | 13       | 1100     | 23       | 0.11     | <5       | 8        | 979      | <20      | 0.21 |
| W935379            |                          | 2.46     | 40       | 1.40     | 627      | <1       | 3.57     | 16       | 1190     | 22       | 0.12     | <5       | 8        | 949      | <20      | 0.22 |
| W935380            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935381            |                          | 2.56     | 40       | 1.34     | 677      | 141      | 4.03     | 15       | 1280     | 37       | 0.59     | <5       | 8        | 742      | <20      | 0.21 |
| W935382            |                          | 3.00     | 40       | 1.46     | 500      | 1        | 3.60     | 14       | 1260     | 19       | 0.18     | <5       | 8        | 792      | <20      | 0.23 |
| W935383            |                          | 3.02     | 50       | 1.46     | 664      | 15       | 3.68     | 15       | 1270     | 41       | 0.13     | <5       | 9        | 975      | <20      | 0.24 |
| W935384            |                          | 3.17     | 50       | 1.45     | 689      | 1        | 3.64     | 15       | 1230     | 29       | 0.07     | <5       | 9        | 1590     | 20       | 0.23 |
| W935385            |                          | 2.90     | 50       | 1.46     | 706      | 1        | 3.72     | 19       | 1280     | 31       | 0.04     | <5       | 9        | 1350     | <20      | 0.24 |
| W935386            |                          | 2.64     | 50       | 1.78     | 725      | <1       | 3.56     | 26       | 1360     | 28       | 0.20     | <5       | 10       | 2500     | <20      | 0.26 |
| W935387            |                          | 2.59     | 40       | 3.42     | 1030     | 1        | 3.25     | 64       | 1680     | 20       | 0.09     | 6        | 17       | 910      | <20      | 0.35 |
| W935388            |                          | 1.98     | 60       | 2.87     | 984      | 1        | 3.02     | 50       | 1490     | 26       | 0.17     | <5       | 14       | 1110     | <20      | 0.31 |
| W935389            |                          | 2.60     | 40       | 3.46     | 1025     | <1       | 3.15     | 64       | 1730     | 25       | 0.07     | <5       | 18       | 1170     | <20      | 0.37 |
| W935390            |                          | 0.07     | 20       | 0.04     | 42       | <1       | 0.03     | 3        | 80       | <2       | <0.01    | <5       | 1        | 31       | <20      | 0.04 |
| W935391            |                          | 2.70     | 50       | 3.36     | 1020     | <1       | 3.32     | 60       | 1810     | 25       | 0.05     | <5       | 18       | 1170     | <20      | 0.38 |
| W935392            |                          | 2.76     | 40       | 3.37     | 1025     | 1        | 3.14     | 59       | 1910     | 22       | 0.05     | <5       | 17       | 1030     | <20      | 0.39 |
| W935393            |                          | 2.78     | 30       | 2.66     | 920      | 1        | 3.29     | 41       | 1600     | 21       | 0.22     | <5       | 14       | 4130     | <20      | 0.31 |
| W935394            |                          | 2.45     | 40       | 2.51     | 917      | <1       | 3.86     | 36       | 1680     | 23       | 0.17     | <5       | 13       | 1200     | <20      | 0.32 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W935355            |                                   | <10      | <10      | 87       | <10      | 71       |
| W935356            |                                   | <10      | <10      | 78       | <10      | 67       |
| W935357            |                                   | <10      | <10      | 79       | <10      | 66       |
| W935358            |                                   | <10      | <10      | 84       | <10      | 69       |
| W935359            |                                   | <10      | <10      | 82       | <10      | 70       |
| W935360            |                                   |          |          |          |          |          |
| W935361            |                                   | <10      | <10      | 112      | <10      | 70       |
| W935362            |                                   | <10      | <10      | 79       | <10      | 77       |
| W935363            |                                   | <10      | <10      | 149      | <10      | 104      |
| W935364            |                                   | <10      | <10      | 84       | <10      | 74       |
| W935365            |                                   | <10      | <10      | 83       | <10      | 72       |
| W935366            |                                   | <10      | <10      | 78       | <10      | 67       |
| W935367            |                                   | <10      | <10      | 80       | <10      | 68       |
| W935368            |                                   | <10      | <10      | 84       | <10      | 71       |
| W935369            |                                   | <10      | <10      | 91       | <10      | 64       |
| W935370            |                                   | <10      | <10      | 4        | <10      | 3        |
| W935371            |                                   | <10      | <10      | 85       | <10      | 72       |
| W935372            |                                   | <10      | <10      | 85       | <10      | 71       |
| W935373            |                                   | <10      | <10      | 89       | <10      | 72       |
| W935374            |                                   | <10      | <10      | 87       | <10      | 70       |
| W935375            |                                   | <10      | <10      | 128      | <10      | 78       |
| W935376            |                                   | <10      | <10      | 86       | <10      | 73       |
| W935377            |                                   | 10       | <10      | 83       | <10      | 69       |
| W935378            |                                   | <10      | <10      | 74       | <10      | 60       |
| W935379            |                                   | <10      | <10      | 77       | <10      | 66       |
| W935380            |                                   |          |          |          |          |          |
| W935381            |                                   | <10      | <10      | 82       | <10      | 69       |
| W935382            |                                   | <10      | <10      | 83       | <10      | 65       |
| W935383            |                                   | <10      | <10      | 84       | <10      | 70       |
| W935384            |                                   | <10      | <10      | 81       | <10      | 68       |
| W935385            |                                   | <10      | <10      | 85       | <10      | 70       |
| W935386            |                                   | <10      | <10      | 95       | <10      | 72       |
| W935387            |                                   | <10      | <10      | 146      | <10      | 103      |
| W935388            |                                   | <10      | <10      | 121      | <10      | 88       |
| W935389            |                                   | <10      | <10      | 139      | <10      | 96       |
| W935390            |                                   | <10      | <10      | 6        | <10      | 3        |
| W935391            |                                   | <10      | <10      | 141      | <10      | 96       |
| W935392            |                                   | <10      | <10      | 152      | <10      | 100      |
| W935393            |                                   | <10      | <10      | 126      | <10      | 87       |
| W935394            |                                   | <10      | <10      | 119      | <10      | 85       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Finalized Date: 8-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | WEI-21          | Au-AA26   | ME-ICP61  | ME-ICP61 | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61 | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61 |           |
|--------------------|-----------------------------------|-----------------|-----------|-----------|----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|----------|-----------|
|                    |                                   | Recvd Wt.<br>kg | Au<br>ppm | Ag<br>ppm | Al<br>%  | As<br>ppm | Ba<br>ppm | Be<br>ppm | Bi<br>ppm | Ca<br>%  | Cd<br>ppm | Co<br>ppm | Cr<br>ppm | Cu<br>ppm | Fe<br>%  | Ga<br>ppm |
|                    |                                   | 0.02            | 0.01      | 0.5       | 0.01     | 5         | 10        | 0.5       | 2         | 0.01     | 0.5       | 1         | 1         | 1         | 0.01     | 10        |
| W935395            |                                   | 3.10            | <0.01     | 0.8       | 7.63     | <5        | 2340      | 2.1       | <2        | 3.32     | <0.5      | 20        | 94        | 144       | 4.11     | 20        |
| W935396            |                                   | 1.35            | <0.01     | <0.5      | 7.39     | <5        | 2200      | 2.1       | <2        | 3.74     | <0.5      | 18        | 90        | 62        | 3.99     | 20        |
| W935397            |                                   | 2.43            | <0.01     | <0.5      | 7.56     | <5        | 1670      | 2.2       | <2        | 4.68     | <0.5      | 19        | 96        | 83        | 4.38     | 20        |
| W935398            |                                   | 0.47            | 0.07      | <0.5      | 5.64     | <5        | 250       | 2.8       | <2        | 7.30     | <0.5      | 20        | 130       | 91        | 4.10     | 20        |
| W935399            |                                   | 0.57            | 0.16      | <0.5      | 5.54     | <5        | 430       | 2.7       | <2        | 7.48     | <0.5      | 19        | 118       | 57        | 3.81     | 20        |
| W935400            |                                   | 0.06            | 0.52      |           |          |           |           |           |           |          |           |           |           |           |          |           |



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 Plus Appendix Pages  
 Finalized Date: 8-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
|                    |                          | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01 |
| W935395            |                          | 2.56     | 40       | 2.35     | 855      | 1        | 3.80     | 35       | 1560     | 19       | 0.16     | <5       | 12       | 1230     | <20      | 0.31 |
| W935396            |                          | 2.36     | 40       | 2.30     | 861      | <1       | 3.68     | 35       | 1510     | 21       | 0.11     | <5       | 12       | 1370     | <20      | 0.30 |
| W935397            |                          | 2.18     | 50       | 2.53     | 920      | 1        | 3.46     | 37       | 1650     | 23       | 0.16     | <5       | 15       | 1160     | <20      | 0.33 |
| W935398            |                          | 2.22     | 20       | 2.29     | 1075     | <1       | 0.84     | 48       | 1390     | 31       | 0.73     | <5       | 16       | >10000   | 30       | 0.32 |
| W935399            |                          | 2.30     | 20       | 2.12     | 1080     | <1       | 0.64     | 45       | 1200     | 31       | 0.82     | <5       | 15       | >10000   | 30       | 0.30 |
| W935400            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*





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Project: Golden Perimeter

|                         |            |
|-------------------------|------------|
| CERTIFICATE OF ANALYSIS | TM20064373 |
|-------------------------|------------|

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61<br>Ti<br>ppm<br>10 | ME-ICP61<br>U<br>ppm<br>10 | ME-ICP61<br>V<br>ppm<br>1 | ME-ICP61<br>W<br>ppm<br>10 | ME-ICP61<br>Zn<br>ppm<br>2 |
|--------------------|-----------------------------------|-----------------------------|----------------------------|---------------------------|----------------------------|----------------------------|
| W935395            |                                   | <10                         | <10                        | 114                       | <10                        | 84                         |
| W935396            |                                   | <10                         | <10                        | 109                       | <10                        | 80                         |
| W935397            |                                   | <10                         | <10                        | 114                       | 10                         | 89                         |
| W935398            |                                   | <10                         | <10                        | 123                       | 30                         | 92                         |
| W935399            |                                   | <10                         | <10                        | 113                       | 30                         | 89                         |
| W935400            |                                   |                             |                            |                           |                            |                            |



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Finalized Date: **8-APR-2020**  
Account: **GOLHIGH**

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064373**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
Au-AA26 ME-ICP61

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.  
CRU-31 CRU-QC LOG-21 LOG-23  
PUL-31 PUL-QC SPL-21 WEI-21



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**QC CERTIFICATE TM20064373**

Project: Golden Perimeter  
 P.O. No.: GP20-04  
 This report is for 246 Drill Core samples submitted to our lab in Timmins, ON, Canada on 18-MAR-2020.  
 The following have access to data associated with this certificate:

|                              |              |              |
|------------------------------|--------------|--------------|
| IAN DUNLOP<br>CONOR MCKINLEY | DARWIN GREEN | NEAL MAGUIRE |
|------------------------------|--------------|--------------|

| SAMPLE PREPARATION |                                 |
|--------------------|---------------------------------|
| ALS CODE           | DESCRIPTION                     |
| WEI-21             | Received Sample Weight          |
| LOG-21             | Sample logging - ClientBarCode  |
| CRU-QC             | Crushing QC Test                |
| PUL-QC             | Pulverizing QC Test             |
| CRU-31             | Fine crushing - 70% <2mm        |
| SPL-21             | Split sample - riffle splitter  |
| PUL-31             | Pulverize up to 250g 85% <75 um |
| LOG-23             | Pulp Login - Rcvd with Barcode  |

| ANALYTICAL PROCEDURES |                               |            |
|-----------------------|-------------------------------|------------|
| ALS CODE              | DESCRIPTION                   | INSTRUMENT |
| ME-ICP61              | 33 element four acid ICP-AES  | ICP-AES    |
| Au-AA26               | Ore Grade Au 50g FA AA finish | AAS        |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:   
 Saa Traxler, General Manager, North Vancouver



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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description         | Method Analyte Units LOD | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|----------------------------|--------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                            |                          | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K %  |
|                            |                          | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       | 0.01 |
| <b>STANDARDS</b>           |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| CDN-CM-34                  |                          |         | 3.7      | 6.63     | 103      | 500      | 1.0      | <2       | 2.15     | 0.8      | 42       | 249      | 5760     | 4.82     | 20       | 2.86 |
| CDN-CM-34                  |                          |         | 3.5      | 7.00     | 112      | 540      | 1.1      | 2        | 2.17     | 1.1      | 43       | 240      | 6150     | 4.98     | 20       | 2.98 |
| CDN-CM-34                  |                          |         | 3.4      | 6.64     | 104      | 510      | 1.1      | 6        | 2.16     | 1.2      | 43       | 232      | 5900     | 4.88     | 20       | 2.85 |
| CDN-CM-34                  |                          |         | 3.4      | 6.32     | 109      | 510      | 1.0      | 5        | 2.16     | 0.9      | 42       | 264      | 5860     | 4.85     | 20       | 2.86 |
| Target Range - Lower Bound |                          |         | 2.5      | 5.88     | 90       | 430      | <0.5     | <2       | 1.83     | <0.5     | 37       | 217      | 5370     | 4.26     | <10      | 2.51 |
| Upper Bound                |                          |         | 4.9      | 7.21     | 122      | 610      | 2.1      | 8        | 2.25     | 2.0      | 47       | 267      | 6190     | 5.23     | 40       | 3.09 |
| EMOG-17                    |                          |         | 68.1     | 4.70     | 602      | 420      | 1.8      | 7        | 1.96     | 19.9     | 765      | 59       | 8290     | 4.96     | 10       | 1.69 |
| EMOG-17                    |                          |         | 65.8     | 4.54     | 577      | 400      | 1.8      | 6        | 1.84     | 19.7     | 731      | 55       | 7930     | 4.67     | 10       | 1.61 |
| EMOG-17                    |                          |         | 67.3     | 4.75     | 583      | 240      | 1.9      | 9        | 1.96     | 19.7     | 758      | 58       | 8530     | 4.98     | 10       | 1.71 |
| EMOG-17                    |                          |         | 70.2     | 4.84     | 621      | 450      | 1.9      | 2        | 2.03     | 20.4     | 788      | 61       | 8630     | 5.10     | 10       | 1.74 |
| Target Range - Lower Bound |                          |         | 60.4     | 4.18     | 517      | 930      | 0.7      | <2       | 1.72     | 17.7     | 685      | 49       | 7740     | 4.42     | <10      | 1.49 |
| Upper Bound                |                          |         | 75.0     | 5.13     | 643      | 1290     | 2.9      | 10       | 2.12     | 22.7     | 839      | 62       | 8910     | 5.42     | 30       | 1.85 |
| G313-5                     |                          | 6.95    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G313-5                     |                          | 7.17    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G313-5                     |                          | 7.08    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G313-5                     |                          | 7.13    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 6.64    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 7.50    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G917-1                     |                          | 48.3    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G917-1                     |                          | 49.5    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G917-1                     |                          | 49.0    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G917-1                     |                          | 48.6    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 45.5    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 51.3    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| KIP-19                     |                          | 2.47    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| KIP-19                     |                          | 2.48    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| KIP-19                     |                          | 2.47    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| KIP-19                     |                          | 2.48    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 2.27    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 2.59    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| MRGeo08                    |                          |         | 4.6      | 7.28     | 36       | 1140     | 3.3      | <2       | 2.72     | 2.4      | 21       | 95       | 650      | 4.02     | 20       | 3.21 |
| MRGeo08                    |                          |         | 4.6      | 7.55     | 34       | 1140     | 3.3      | <2       | 2.78     | 2.4      | 20       | 92       | 675      | 4.12     | 20       | 3.35 |
| MRGeo08                    |                          |         | 4.7      | 7.83     | 34       | 1180     | 3.5      | 5        | 2.83     | 2.3      | 21       | 94       | 667      | 4.19     | 20       | 3.33 |
| MRGeo08                    |                          |         | 4.3      | 7.61     | 33       | 1110     | 3.3      | 3        | 2.72     | 2.3      | 20       | 93       | 638      | 4.07     | 20       | 3.24 |
| MRGeo08                    |                          |         | 4.2      | 7.35     | 31       | 1110     | 3.3      | 6        | 2.78     | 2.4      | 21       | 96       | 633      | 4.18     | 20       | 3.28 |
| Target Range - Lower Bound |                          |         | 3.2      | 6.64     | 21       | 920      | 2.2      | <2       | 2.35     | 1.1      | 17       | 81       | 586      | 3.55     | <10      | 2.79 |
| Upper Bound                |                          |         | 5.6      | 8.14     | 45       | 1270     | 4.5      | 5        | 2.90     | 3.4      | 23       | 102      | 676      | 4.37     | 40       | 3.43 |



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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |     |
|----------------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|
|                            |                          | La       | Mg       | Mn       | Mo       | Na       | Ni       | P        | Pb       | S        | Sb       | Sc       | Sr       | Th       | Ti       | Tl  |
|                            |                          | ppm      | %        | ppm      | ppm      | %        | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm |
|                            |                          | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01     | 10  |
| <b>STANDARDS</b>           |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| CDN-CM-34                  |                          | 20       | 3.74     | 455      | 290      | 0.75     | 252      | 1230     | 23       | 3.03     | 9        | 16       | 215      | <20      | 0.49     | <10 |
| CDN-CM-34                  |                          | 20       | 3.84     | 463      | 305      | 0.79     | 265      | 1300     | 22       | 3.30     | <5       | 17       | 242      | <20      | 0.53     | <10 |
| CDN-CM-34                  |                          | 10       | 3.75     | 454      | 293      | 0.77     | 253      | 1230     | 25       | 3.02     | 8        | 16       | 221      | <20      | 0.51     | <10 |
| CDN-CM-34                  |                          | 10       | 3.74     | 465      | 298      | 0.77     | 256      | 1240     | 25       | 3.06     | <5       | 15       | 222      | <20      | 0.54     | <10 |
| Target Range - Lower Bound |                          | <10      | 3.29     | 399      | 269      | 0.66     | 220      | 1110     | 19       | 2.70     | <5       | 14       | 204      | <20      | 0.43     | <10 |
| Upper Bound                |                          | 40       | 4.05     | 499      | 331      | 0.83     | 271      | 1370     | 29       | 3.32     | 17       | 19       | 251      | 40       | 0.55     | 20  |
| EMOG-17                    |                          | 20       | 0.99     | 763      | 1100     | 1.11     | 7730     | 810      | 7300     | 3.21     | 796      | 8        | 202      | <20      | 0.31     | <10 |
| EMOG-17                    |                          | 20       | 0.92     | 716      | 1035     | 1.07     | 7430     | 780      | 7080     | 3.22     | 765      | 8        | 205      | <20      | 0.31     | <10 |
| EMOG-17                    |                          | 20       | 0.98     | 761      | 1075     | 1.16     | 7700     | 810      | 7420     | 3.25     | 786      | 8        | 205      | <20      | 0.33     | <10 |
| EMOG-17                    |                          | 20       | 1.01     | 783      | 1125     | 1.15     | 7950     | 830      | 7520     | 3.33     | 821      | 8        | 226      | <20      | 0.32     | <10 |
| Target Range - Lower Bound |                          | <10      | 0.86     | 670      | 996      | 0.99     | 6820     | 700      | 6570     | 2.91     | 638      | 6        | 184      | <20      | 0.28     | <10 |
| Upper Bound                |                          | 40       | 1.08     | 830      | 1220     | 1.23     | 8330     | 880      | 8030     | 3.57     | 874      | 10       | 227      | 50       | 0.36     | 20  |
| G313-5                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| G313-5                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| G313-5                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| G313-5                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| G917-1                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| G917-1                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| G917-1                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| G917-1                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| KIP-19                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| KIP-19                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| KIP-19                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| KIP-19                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| MRGeo08                    |                          | 30       | 1.34     | 573      | 14       | 2.05     | 740      | 1090     | 1135     | 0.32     | <5       | 11       | 318      | 20       | 0.52     | <10 |
| MRGeo08                    |                          | 30       | 1.38     | 575      | 15       | 2.13     | 749      | 1090     | 1145     | 0.33     | 11       | 11       | 326      | 20       | 0.53     | <10 |
| MRGeo08                    |                          | 30       | 1.40     | 605      | 15       | 2.15     | 747      | 1100     | 1145     | 0.33     | <5       | 11       | 324      | 20       | 0.53     | <10 |
| MRGeo08                    |                          | 30       | 1.36     | 570      | 14       | 2.03     | 711      | 1050     | 1100     | 0.30     | <5       | 11       | 305      | 20       | 0.50     | <10 |
| MRGeo08                    |                          | 30       | 1.38     | 574      | 15       | 2.06     | 719      | 1060     | 1100     | 0.31     | <5       | 11       | 303      | 20       | 0.51     | <10 |
| Target Range - Lower Bound |                          | <10      | 1.17     | 497      | 12       | 1.76     | 621      | 930      | 969      | 0.27     | <5       | 10       | 276      | <20      | 0.44     | <10 |
| Upper Bound                |                          | 60       | 1.45     | 619      | 18       | 2.18     | 761      | 1160     | 1190     | 0.35     | 15       | 15       | 340      | 60       | 0.56     | 20  |

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 U ppm 10 | ME-ICP61 V ppm 1 | ME-ICP61 W ppm 10 | ME-ICP61 Zn ppm 2 |
|----------------------------|--------------------------|-------------------|------------------|-------------------|-------------------|
| <b>STANDARDS</b>           |                          |                   |                  |                   |                   |
| CDN-CM-34                  |                          | <10               | 165              | 20                | 195               |
| CDN-CM-34                  |                          | <10               | 174              | 30                | 203               |
| CDN-CM-34                  |                          | 10                | 165              | 20                | 199               |
| CDN-CM-34                  |                          | <10               | 170              | 30                | 199               |
| Target Range - Lower Bound |                          | <10               | 149              | <10               | 176               |
| Upper Bound                |                          | 20                | 184              | 50                | 219               |
| EMOG-17                    |                          | <10               | 74               | <10               | 7580              |
| EMOG-17                    |                          | <10               | 72               | 10                | 7300              |
| EMOG-17                    |                          | <10               | 74               | <10               | 7610              |
| EMOG-17                    |                          | <10               | 76               | <10               | 7790              |
| Target Range - Lower Bound |                          | <10               | 67               | <10               | 6800              |
| Upper Bound                |                          | 20                | 84               | 20                | 8320              |
| G313-5                     |                          |                   |                  |                   |                   |
| G313-5                     |                          |                   |                  |                   |                   |
| G313-5                     |                          |                   |                  |                   |                   |
| G313-5                     |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| G917-1                     |                          |                   |                  |                   |                   |
| G917-1                     |                          |                   |                  |                   |                   |
| G917-1                     |                          |                   |                  |                   |                   |
| G917-1                     |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| KIP-19                     |                          |                   |                  |                   |                   |
| KIP-19                     |                          |                   |                  |                   |                   |
| KIP-19                     |                          |                   |                  |                   |                   |
| KIP-19                     |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| MRGeo08                    |                          | <10               | 116              | 10                | 863               |
| MRGeo08                    |                          | <10               | 113              | 10                | 856               |
| MRGeo08                    |                          | <10               | 118              | <10               | 855               |
| MRGeo08                    |                          | <10               | 111              | <10               | 819               |
| MRGeo08                    |                          | <10               | 111              | <10               | 816               |
| Target Range - Lower Bound |                          | <10               | 97               | <10               | 722               |
| Upper Bound                |                          | 30                | 121              | 30                | 886               |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

Page: 3 - A  
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 Plus Appendix Pages  
 Finalized Date: 8-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description         | Method Analyte Units LOD | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |     |
|----------------------------|--------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|
|                            |                          | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K % |
|                            |                          | 0.01    | 0.5      | 0.01     | 5        | 10       |          |          |          |          |          |          |          |          |          |     |
| <b>STANDARDS</b>           |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| OREAS 602                  |                          | >100    | 4.27     | 672      | 1090     | 0.8      | 58       | 0.61     | 24.9     | 10       | 32       | 5090     | 2.12     | 20       | 0.67     |     |
| OREAS 602                  |                          | >100    | 4.51     | 713      | 930      | 0.8      | 62       | 0.67     | 26.8     | 10       | 35       | 5400     | 2.30     | 20       | 0.72     |     |
| OREAS 602                  |                          | >100    | 4.46     | 694      | 180      | 0.8      | 63       | 0.63     | 25.6     | 10       | 32       | 5260     | 2.20     | 20       | 0.69     |     |
| OREAS 602                  |                          | >100    | 4.18     | 661      | 270      | 0.8      | 60       | 0.62     | 24.8     | 10       | 35       | 5030     | 2.16     | 20       | 0.68     |     |
| OREAS 602                  |                          | >100    | 4.31     | 676      | 430      | 0.8      | 65       | 0.66     | 26.1     | 10       | 33       | 5240     | 2.32     | 20       | 0.71     |     |
| Target Range - Lower Bound |                          | 107.5   | 3.92     | 579      | 590      | <0.5     | 49       | 0.55     | 21.7     | 7        | 28       | 4790     | 2.01     | <10      | 0.60     |     |
| Upper Bound                |                          | 100.0   | 4.82     | 719      | 830      | 1.8      | 65       | 0.69     | 27.7     | 12       | 36       | 5510     | 2.47     | 40       | 0.76     |     |
| OxP154                     | 15.40                    |         |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| OxP154                     | 15.25                    |         |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| OxP154                     | 15.85                    |         |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Target Range - Lower Bound | 14.35                    |         |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Upper Bound                | 16.20                    |         |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| PMP-18                     | 0.33                     |         |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Target Range - Lower Bound | 0.28                     |         |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Upper Bound                | 0.34                     |         |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| <b>BLANKS</b>              |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| BLANK                      | <0.01                    |         |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| BLANK                      | <0.01                    |         |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| BLANK                      | <0.01                    |         |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| BLANK                      | <0.01                    |         |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| BLANK                      | <0.01                    |         |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| BLANK                      | <0.01                    |         |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| BLANK                      | <0.01                    |         |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Target Range - Lower Bound | <0.01                    |         |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Upper Bound                | 0.02                     |         |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| BLANK                      |                          | <0.5    | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | 1        | <1       | <0.01    | <10      | <0.01    |     |
| BLANK                      |                          | <0.5    | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | 1        | <1       | <0.01    | <10      | <0.01    |     |
| BLANK                      |                          | <0.5    | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | <1       | <0.01    | <10      | <0.01    |     |
| BLANK                      |                          | <0.5    | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | 1        | 1        | <1       | <0.01    | <10      | <0.01    |     |
| BLANK                      |                          | <0.5    | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | 1        | 1        | <0.01    | <10      | <0.01    |     |
| BLANK                      |                          | <0.5    | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | 1        | <1       | 1        | <0.01    | <10      | <0.01    |     |
| BLANK                      |                          | <0.5    | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | 1        | <1       | <0.01    | <10      | <0.01    |     |
| BLANK                      |                          | <0.5    | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | 1        | 1        | 3        | <0.01    | <10      | <0.01    |     |
| Target Range - Lower Bound |                          | <0.5    | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | <1       | <0.01    | <10      | <0.01    |     |
| Upper Bound                |                          | 1.0     | 0.02     | 10       | 20       | 1.0      | 4        | 0.02     | 1.0      | 2        | 2        | 2        | 0.02     | 20       | 0.02     |     |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Plus Appendix Pages  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|----------------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                            |                          | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti %     | Tl ppm |
|                            |                          | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01     | 10     |
| <b>STANDARDS</b>           |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| OREAS 602                  |                          | 20       | 0.19     | 230      | 4        | 0.44     | 60       | 560      | 1035     | 2.15     | 82       | 4        | 469      | <20      | 0.21     | <10    |
| OREAS 602                  |                          | 20       | 0.20     | 242      | 5        | 0.47     | 64       | 590      | 1110     | 2.29     | 94       | 4        | 491      | <20      | 0.23     | <10    |
| OREAS 602                  |                          | 20       | 0.19     | 241      | 5        | 0.45     | 60       | 580      | 1040     | 2.16     | 84       | 4        | 476      | <20      | 0.22     | <10    |
| OREAS 602                  |                          | 10       | 0.19     | 227      | 5        | 0.45     | 60       | 560      | 1010     | 2.04     | 81       | 4        | 448      | <20      | 0.21     | <10    |
| OREAS 602                  |                          | 10       | 0.21     | 238      | 5        | 0.45     | 59       | 580      | 1060     | 2.15     | 89       | 4        | 460      | <20      | 0.23     | <10    |
| Target Range - Lower Bound |                          | <10      | 0.17     | 198      | 2        | 0.40     | 53       | 500      | 918      | 1.90     | 61       | 2        | 417      | <20      | 0.18     | <10    |
| Upper Bound                |                          | 40       | 0.23     | 253      | 7        | 0.51     | 67       | 640      | 1125     | 2.34     | 97       | 6        | 511      | 50       | 0.24     | 20     |
| OxP154                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| OxP154                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| OxP154                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| PMP-18                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| <b>BLANKS</b>              |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| BLANK                      |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
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| BLANK                      |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
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| BLANK                      |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
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| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| BLANK                      |                          | <10      | <0.01    | <5       | <1       | <0.01    | <1       | <10      | <2       | <0.01    | <5       | <1       | <1       | <20      | <0.01    | <10    |
| BLANK                      |                          | <10      | <0.01    | <5       | <1       | <0.01    | 2        | <10      | <2       | <0.01    | <5       | <1       | 1        | <20      | <0.01    | <10    |
| BLANK                      |                          | <10      | <0.01    | <5       | <1       | <0.01    | 1        | <10      | <2       | <0.01    | <5       | <1       | <1       | <20      | <0.01    | <10    |
| BLANK                      |                          | <10      | <0.01    | <5       | <1       | <0.01    | <1       | <10      | <2       | <0.01    | <5       | <1       | <1       | <20      | <0.01    | <10    |
| BLANK                      |                          | <10      | <0.01    | <5       | <1       | <0.01    | <1       | <10      | <2       | <0.01    | <5       | <1       | <1       | <20      | <0.01    | <10    |
| BLANK                      |                          | <10      | <0.01    | <5       | <1       | <0.01    | <1       | <10      | <2       | <0.01    | <5       | <1       | 1        | <20      | <0.01    | <10    |
| BLANK                      |                          | <10      | <0.01    | <5       | 1        | <0.01    | <1       | <10      | 2        | <0.01    | <5       | <1       | <1       | <20      | <0.01    | <10    |
| BLANK                      |                          | <10      | <0.01    | <5       | <1       | <0.01    | <1       | <10      | <2       | <0.01    | <5       | <1       | <1       | <20      | <0.01    | <10    |
| BLANK                      |                          | <10      | <0.01    | <5       | 1        | <0.01    | <1       | <10      | 2        | <0.01    | <5       | <1       | <1       | <20      | <0.01    | <10    |
| Target Range - Lower Bound |                          | <10      | <0.01    | <5       | <1       | <0.01    | <1       | <10      | <2       | <0.01    | <5       | <1       | <1       | <20      | <0.01    | <10    |
| Upper Bound                |                          | 20       | 0.02     | 10       | 2        | 0.02     | 2        | 20       | 4        | 0.02     | 10       | 2        | 2        | 40       | 0.02     | 20     |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 U ppm 10 | ME-ICP61 V ppm 1 | ME-ICP61 W ppm 10 | ME-ICP61 Zn ppm 2 |
|----------------------------|--------------------------|-------------------|------------------|-------------------|-------------------|
| <b>STANDARDS</b>           |                          |                   |                  |                   |                   |
| OREAS 602                  |                          | <10               | 33               | 20                | 4130              |
| OREAS 602                  |                          | <10               | 35               | 20                | 4410              |
| OREAS 602                  |                          | <10               | 34               | 10                | 4210              |
| OREAS 602                  |                          | <10               | 33               | 20                | 4030              |
| OREAS 602                  |                          | <10               | 34               | 10                | 4280              |
| Target Range - Lower Bound |                          | <10               | 29               | <10               | 3770              |
| Upper Bound                |                          | 20                | 37               | 30                | 4610              |
| OxP154                     |                          |                   |                  |                   |                   |
| OxP154                     |                          |                   |                  |                   |                   |
| OxP154                     |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| PMP-18                     |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| <b>BLANKS</b>              |                          |                   |                  |                   |                   |
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| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
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| BLANK                      |                          | <10               | <1               | <10               | <2                |
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| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| Target Range - Lower Bound |                          | <10               | <1               | <10               | <2                |
| Upper Bound                |                          | 20                | 2                | 20                | 4                 |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Total # Pages: 8 (A - C)  
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 Finalized Date: 8-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description         | Method Analyte Units LOD | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|----------------------------|--------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                            |                          | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K %  |
|                            |                          | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       | 0.01 |
| <b>DUPLICATES</b>          |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| ORIGINAL                   |                          |         | 0.5      | 6.66     | 113      | 300      | 1.2      | <2       | 3.10     | 3.6      | 7        | 10       | 7        | 2.21     | 20       | 3.83 |
| DUP                        |                          |         | 0.5      | 6.99     | 117      | 320      | 1.2      | 2        | 3.19     | 3.7      | 7        | 15       | 7        | 2.28     | 20       | 4.00 |
| Target Range - Lower Bound |                          |         | <0.5     | 6.47     | 104      | 280      | 0.6      | <2       | 2.98     | 3.0      | 6        | 11       | 6        | 2.12     | <10      | 3.71 |
| Upper Bound                |                          |         | 1.0      | 7.18     | 126      | 340      | 1.8      | 4        | 3.31     | 4.3      | 8        | 14       | 8        | 2.37     | 30       | 4.12 |
| ORIGINAL                   |                          |         | <0.5     | 6.51     | <5       | 630      | 1.0      | 4        | 1.03     | <0.5     | 35       | 284      | 43       | 6.18     | 20       | 1.50 |
| DUP                        |                          |         | <0.5     | 6.82     | <5       | 640      | 1.0      | 4        | 1.05     | <0.5     | 34       | 286      | 43       | 6.06     | 20       | 1.52 |
| Target Range - Lower Bound |                          |         | <0.5     | 6.32     | <5       | 580      | <0.5     | <2       | 0.98     | <0.5     | 32       | 270      | 40       | 5.80     | <10      | 1.42 |
| Upper Bound                |                          |         | 1.0      | 7.01     | 10       | 690      | 1.6      | 6        | 1.10     | 1.0      | 37       | 300      | 46       | 6.44     | 30       | 1.60 |
| ORIGINAL                   |                          |         | <0.01    |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          |         | 0.01     |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          |         | <0.01    |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          |         | 0.02     |          |          |          |          |          |          |          |          |          |          |          |          |      |
| ORIGINAL                   |                          |         | <0.01    |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          |         | 0.01     |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          |         | <0.01    |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          |         | 0.02     |          |          |          |          |          |          |          |          |          |          |          |          |      |
| ORIGINAL                   |                          |         | <0.5     | 6.45     | <5       | 550      | 1.2      | 2        | 1.64     | <0.5     | 4        | 6        | 20       | 2.84     | 20       | 1.49 |
| DUP                        |                          |         | <0.5     | 6.37     | <5       | 550      | 1.2      | <2       | 1.63     | <0.5     | 4        | 10       | 21       | 2.82     | 20       | 1.47 |
| Target Range - Lower Bound |                          |         | <0.5     | 6.08     | <5       | 500      | 0.6      | <2       | 1.54     | <0.5     | 3        | 7        | 19       | 2.68     | <10      | 1.40 |
| Upper Bound                |                          |         | 1.0      | 6.74     | 10       | 600      | 1.8      | 4        | 1.73     | 1.0      | 5        | 9        | 22       | 2.98     | 30       | 1.56 |
| W935161                    |                          |         | <0.01    |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          |         | <0.01    |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          |         | <0.01    |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          |         | 0.02     |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935175                    |                          |         | <0.5     | 4.52     | <5       | 110      | 0.7      | <2       | 4.43     | <0.5     | 79       | 1315     | 98       | 7.91     | 10       | 1.20 |
| DUP                        |                          |         | <0.5     | 4.58     | <5       | 110      | 0.7      | <2       | 4.50     | <0.5     | 80       | 1270     | 97       | 8.02     | 20       | 1.22 |
| Target Range - Lower Bound |                          |         | <0.5     | 4.31     | <5       | 90       | <0.5     | <2       | 4.23     | <0.5     | 75       | 1225     | 93       | 7.56     | <10      | 1.14 |
| Upper Bound                |                          |         | 1.0      | 4.79     | 10       | 130      | 1.0      | 4        | 4.70     | 1.0      | 84       | 1360     | 102      | 8.37     | 20       | 1.28 |
| W935181                    |                          |         | 0.01     |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          |         | 0.01     |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          |         | <0.01    |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          |         | 0.02     |          |          |          |          |          |          |          |          |          |          |          |          |      |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|----------------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                            |                          | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti %     | Tl ppm |
|                            |                          | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01     | 10     |
| <b>DUPLICATES</b>          |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| ORIGINAL                   |                          | 10       | 0.55     | 726      | 2        | 2.45     | 4        | 460      | 36       | 1.74     | 7        | 6        | 366      | <20      | 0.26     | <10    |
| DUP                        |                          | 10       | 0.57     | 751      | 1        | 2.56     | 7        | 470      | 38       | 1.81     | 7        | 6        | 381      | <20      | 0.27     | <10    |
| Target Range - Lower Bound |                          | <10      | 0.52     | 697      | <1       | 2.37     | 4        | 430      | 33       | 1.68     | <5       | 5        | 354      | <20      | 0.24     | <10    |
| Upper Bound                |                          | 20       | 0.60     | 780      | 2        | 2.64     | 7        | 500      | 41       | 1.87     | 10       | 7        | 393      | 40       | 0.29     | 20     |
| ORIGINAL                   |                          | 20       | 4.95     | 794      | <1       | 1.84     | 118      | 1540     | 5        | 0.01     | <5       | 24       | 318      | <20      | 0.40     | <10    |
| DUP                        |                          | 20       | 5.01     | 800      | <1       | 1.81     | 117      | 1530     | 3        | 0.01     | <5       | 26       | 319      | <20      | 0.40     | <10    |
| Target Range - Lower Bound |                          | <10      | 4.72     | 752      | <1       | 1.72     | 111      | 1450     | <2       | <0.01    | <5       | 23       | 302      | <20      | 0.37     | <10    |
| Upper Bound                |                          | 30       | 5.24     | 842      | 2        | 1.93     | 124      | 1620     | 6        | 0.02     | 10       | 27       | 335      | 40       | 0.43     | 20     |
| ORIGINAL                   |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| ORIGINAL                   |                          | 30       | 0.15     | 527      | <1       | 2.97     | 2        | 220      | 5        | 0.08     | <5       | 8        | 141      | <20      | 0.18     | <10    |
| DUP                        |                          | 30       | 0.16     | 523      | 1        | 2.95     | 2        | 220      | 4        | 0.08     | <5       | 8        | 141      | <20      | 0.18     | <10    |
| Target Range - Lower Bound |                          | 20       | 0.14     | 494      | <1       | 2.80     | <1       | 200      | <2       | 0.07     | <5       | 7        | 133      | <20      | 0.16     | <10    |
| Upper Bound                |                          | 40       | 0.17     | 556      | 2        | 3.12     | 3        | 240      | 7        | 0.09     | 10       | 9        | 149      | 40       | 0.20     | 20     |
| W935161                    |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W935175                    |                          | <10      | 10.45    | 1305     | 35       | 0.05     | 629      | 130      | 5        | 0.43     | <5       | 27       | 79       | <20      | 0.18     | <10    |
| DUP                        |                          | <10      | 10.60    | 1325     | 35       | 0.05     | 640      | 140      | 5        | 0.43     | <5       | 27       | 81       | <20      | 0.17     | <10    |
| Target Range - Lower Bound |                          | <10      | 9.99     | 1245     | 32       | 0.04     | 602      | 120      | 3        | 0.40     | <5       | 25       | 75       | <20      | 0.16     | <10    |
| Upper Bound                |                          | 20       | 11.05    | 1385     | 38       | 0.06     | 667      | 150      | 7        | 0.46     | 10       | 29       | 85       | 40       | 0.19     | 20     |
| W935181                    |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| DUP                        |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description         | Method<br>Analyte<br>Units<br>LOD | ME-ICP61<br>U<br>ppm<br>10 | ME-ICP61<br>V<br>ppm<br>1 | ME-ICP61<br>W<br>ppm<br>10 | ME-ICP61<br>Zn<br>ppm<br>2 |
|----------------------------|-----------------------------------|----------------------------|---------------------------|----------------------------|----------------------------|
| <b>DUPLICATES</b>          |                                   |                            |                           |                            |                            |
| ORIGINAL                   |                                   | <10                        | 58                        | <10                        | 346                        |
| DUP                        |                                   | <10                        | 59                        | <10                        | 355                        |
| Target Range - Lower Bound |                                   | <10                        | 55                        | <10                        | 331                        |
| Upper Bound                |                                   | 20                         | 62                        | 20                         | 370                        |
| ORIGINAL                   |                                   | <10                        | 130                       | <10                        | 129                        |
| DUP                        |                                   | <10                        | 130                       | <10                        | 128                        |
| Target Range - Lower Bound |                                   | <10                        | 123                       | <10                        | 120                        |
| Upper Bound                |                                   | 20                         | 138                       | 20                         | 137                        |
| ORIGINAL                   |                                   |                            |                           |                            |                            |
| DUP                        |                                   |                            |                           |                            |                            |
| Target Range - Lower Bound |                                   |                            |                           |                            |                            |
| Upper Bound                |                                   |                            |                           |                            |                            |
| ORIGINAL                   |                                   |                            |                           |                            |                            |
| DUP                        |                                   |                            |                           |                            |                            |
| Target Range - Lower Bound |                                   |                            |                           |                            |                            |
| Upper Bound                |                                   |                            |                           |                            |                            |
| ORIGINAL                   |                                   | <10                        | 9                         | <10                        | 64                         |
| DUP                        |                                   | <10                        | 8                         | <10                        | 63                         |
| Target Range - Lower Bound |                                   | <10                        | 7                         | <10                        | 58                         |
| Upper Bound                |                                   | 20                         | 10                        | 20                         | 69                         |
| W935161                    |                                   |                            |                           |                            |                            |
| DUP                        |                                   |                            |                           |                            |                            |
| Target Range - Lower Bound |                                   |                            |                           |                            |                            |
| Upper Bound                |                                   |                            |                           |                            |                            |
| W935175                    |                                   | 10                         | 164                       | <10                        | 75                         |
| DUP                        |                                   | <10                        | 166                       | <10                        | 76                         |
| Target Range - Lower Bound |                                   | <10                        | 156                       | <10                        | 70                         |
| Upper Bound                |                                   | 20                         | 174                       | 20                         | 81                         |
| W935181                    |                                   |                            |                           |                            |                            |
| DUP                        |                                   |                            |                           |                            |                            |
| Target Range - Lower Bound |                                   |                            |                           |                            |                            |
| Upper Bound                |                                   |                            |                           |                            |                            |



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description         | Method Analyte Units LOD | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|----------------------------|--------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                            |                          | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K %  |
|                            |                          | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       | 0.01 |
| <b>DUPLICATES</b>          |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935209                    |                          | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935213                    |                          |         | <0.5     | 4.47     | <5       | 570      | 1.7      | <2       | 5.00     | 0.7      | 59       | 879      | 74       | 7.24     | 10       | 3.03 |
| DUP                        |                          |         | <0.5     | 4.36     | <5       | 550      | 1.7      | <2       | 4.91     | 0.5      | 58       | 840      | 71       | 7.06     | 10       | 2.92 |
| Target Range - Lower Bound |                          |         | <0.5     | 4.18     | <5       | 510      | 1.1      | <2       | 4.70     | <0.5     | 55       | 816      | 69       | 6.78     | <10      | 2.82 |
| Upper Bound                |                          |         | 1.0      | 4.65     | 10       | 610      | 2.3      | 4        | 5.21     | 1.0      | 62       | 903      | 76       | 7.52     | 20       | 3.13 |
| W935229                    |                          | 0.34    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | 0.38    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 0.33    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.39    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935249                    |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935251                    |                          |         | <0.5     | 8.00     | <5       | 2470     | 2.5      | 2        | 1.81     | <0.5     | 8        | 35       | 23       | 2.07     | 20       | 2.73 |
| DUP                        |                          |         | <0.5     | 7.60     | <5       | 2340     | 2.4      | <2       | 1.76     | <0.5     | 7        | 33       | 23       | 1.97     | 20       | 2.55 |
| Target Range - Lower Bound |                          |         | <0.5     | 7.40     | <5       | 2210     | 1.8      | <2       | 1.69     | <0.5     | 6        | 31       | 21       | 1.91     | <10      | 2.50 |
| Upper Bound                |                          |         | 1.0      | 8.20     | 10       | 2600     | 3.1      | 4        | 1.88     | 1.0      | 9        | 37       | 25       | 2.13     | 30       | 2.78 |
| W935291                    |                          | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935296                    |                          |         | <0.5     | 6.71     | <5       | 2600     | 2.0      | 2        | 3.13     | <0.5     | 12       | 49       | 24       | 2.88     | 20       | 2.47 |
| DUP                        |                          |         | <0.5     | 6.77     | <5       | 2540     | 2.1      | <2       | 3.07     | <0.5     | 12       | 50       | 23       | 2.82     | 20       | 2.42 |
| Target Range - Lower Bound |                          |         | <0.5     | 6.39     | <5       | 2370     | 1.4      | <2       | 2.94     | <0.5     | 10       | 46       | 22       | 2.70     | <10      | 2.31 |
| Upper Bound                |                          |         | 1.0      | 7.09     | 10       | 2770     | 2.7      | 4        | 3.27     | 1.0      | 14       | 53       | 25       | 3.00     | 30       | 2.58 |
| W935311                    |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description                                          | Method Analyte Units LOD | ME-ICP61              | ME-ICP61                     | ME-ICP61                     | ME-ICP61            | ME-ICP61                     | ME-ICP61                 | ME-ICP61                     | ME-ICP61             | ME-ICP61                     | ME-ICP61             | ME-ICP61             | ME-ICP61                     | ME-ICP61                | ME-ICP61                     |                         |
|-------------------------------------------------------------|--------------------------|-----------------------|------------------------------|------------------------------|---------------------|------------------------------|--------------------------|------------------------------|----------------------|------------------------------|----------------------|----------------------|------------------------------|-------------------------|------------------------------|-------------------------|
|                                                             |                          | La ppm                | Mg %                         | Mn ppm                       | Mo ppm              | Na %                         | Ni ppm                   | P ppm                        | Pb ppm               | S %                          | Sb ppm               | Sc ppm               | Sr ppm                       | Th ppm                  | Ti %                         | Tl ppm                  |
|                                                             |                          | 10                    | 0.01                         | 5                            | 1                   | 0.01                         | 1                        | 10                           | 2                    | 0.01                         | 5                    | 1                    | 1                            | 20                      | 0.01                         | 10                      |
| <b>DUPLICATES</b>                                           |                          |                       |                              |                              |                     |                              |                          |                              |                      |                              |                      |                      |                              |                         |                              |                         |
| W935209<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                       |                              |                              |                     |                              |                          |                              |                      |                              |                      |                      |                              |                         |                              |                         |
| W935213<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | 10<br>10<br><10<br>20 | 8.31<br>8.15<br>7.81<br>8.65 | 1315<br>1285<br>1230<br>1370 | 3<br>4<br>2<br>5    | 0.25<br>0.25<br>0.23<br>0.27 | 354<br>346<br>332<br>369 | 150<br>160<br>140<br>170     | 8<br>7<br>5<br>10    | 0.17<br>0.17<br>0.15<br>0.19 | <5<br><5<br><5<br>10 | 28<br>28<br>26<br>30 | 169<br>169<br>160<br>178     | <20<br><20<br><20<br>40 | 0.21<br>0.21<br>0.19<br>0.23 | 10<br><10<br><10<br>20  |
| W935229<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                       |                              |                              |                     |                              |                          |                              |                      |                              |                      |                      |                              |                         |                              |                         |
| W935249<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                       |                              |                              |                     |                              |                          |                              |                      |                              |                      |                      |                              |                         |                              |                         |
| W935251<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | 30<br>30<br>20<br>40  | 0.91<br>0.86<br>0.83<br>0.94 | 457<br>440<br>421<br>476     | <1<br><1<br><1<br>2 | 4.23<br>4.02<br>3.91<br>4.34 | 18<br>17<br>16<br>19     | 810<br>780<br>750<br>840     | 55<br>52<br>49<br>58 | 0.11<br>0.10<br>0.09<br>0.12 | <5<br><5<br><5<br>10 | 6<br>5<br>4<br>7     | 1490<br>1405<br>1375<br>1520 | <20<br><20<br><20<br>40 | 0.17<br>0.16<br>0.15<br>0.18 | <10<br><10<br><10<br>20 |
| W935291<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                       |                              |                              |                     |                              |                          |                              |                      |                              |                      |                      |                              |                         |                              |                         |
| W935296<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | 30<br>40<br>20<br>50  | 1.39<br>1.37<br>1.30<br>1.46 | 646<br>635<br>603<br>678     | <1<br>1<br><1<br>2  | 3.70<br>3.56<br>3.44<br>3.82 | 21<br>23<br>20<br>24     | 1240<br>1230<br>1160<br>1310 | 39<br>38<br>35<br>42 | 0.42<br>0.43<br>0.39<br>0.46 | <5<br><5<br><5<br>10 | 8<br>8<br>7<br>9     | 807<br>788<br>757<br>838     | <20<br><20<br><20<br>40 | 0.20<br>0.20<br>0.18<br>0.22 | <10<br><10<br><10<br>20 |
| W935311<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                       |                              |                              |                     |                              |                          |                              |                      |                              |                      |                      |                              |                         |                              |                         |



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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|                                                 |
|-------------------------------------------------|
| <b>QC CERTIFICATE OF ANALYSIS    TM20064373</b> |
|-------------------------------------------------|

| Sample Description                                          | Method Analyte Units LOD | ME-ICP61 U ppm 10                              | ME-ICP61 V ppm 1         | ME-ICP61 W ppm 10                              | ME-ICP61 Zn ppm 2    |
|-------------------------------------------------------------|--------------------------|------------------------------------------------|--------------------------|------------------------------------------------|----------------------|
| W935209<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | <b>DUPLICATES</b>                              |                          |                                                |                      |
| W935213<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | <10<br><10<br>Target Range - Lower Bound<br>20 | 181<br>175<br>168<br>188 | <10<br><10<br>Target Range - Lower Bound<br>20 | 57<br>57<br>52<br>62 |
| W935229<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                                                |                          |                                                |                      |
| W935249<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                                                |                          |                                                |                      |
| W935251<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | <10<br><10<br>Target Range - Lower Bound<br>20 | 53<br>51<br>48<br>56     | <10<br><10<br>Target Range - Lower Bound<br>20 | 58<br>56<br>52<br>62 |
| W935291<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                                                |                          |                                                |                      |
| W935296<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | <10<br><10<br>Target Range - Lower Bound<br>20 | 75<br>73<br>69<br>79     | <10<br><10<br>Target Range - Lower Bound<br>20 | 65<br>62<br>58<br>69 |
| W935311<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                                                |                          |                                                |                      |



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**QC CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description         | Method Analyte Units LOD | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|----------------------------|--------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                            |                          | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K %  |
|                            |                          | 0.01    | 0.5      | 0.01     | 5        | 10       |          |          |          |          |          |          |          |          |          |      |
| <b>DUPLICATES</b>          |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935331                    |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935334                    |                          |         | <0.5     | 7.58     | <5       | 2820     | 2.1      | 3        | 2.49     | <0.5     | 11       | 42       | 31       | 2.72     | 20       | 2.65 |
| DUP                        |                          |         | <0.5     | 7.47     | <5       | 2770     | 2.1      | 3        | 2.45     | <0.5     | 11       | 42       | 30       | 2.65     | 20       | 2.57 |
| Target Range - Lower Bound |                          |         | <0.5     | 7.14     | <5       | 2580     | 1.5      | <2       | 2.34     | <0.5     | 9        | 39       | 28       | 2.54     | <10      | 2.47 |
| Upper Bound                |                          |         | 1.0      | 7.91     | 10       | 3010     | 2.7      | 4        | 2.60     | 1.0      | 13       | 45       | 33       | 2.83     | 30       | 2.75 |
| W935368                    |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935372                    |                          |         | <0.5     | 7.55     | <5       | 2580     | 2.1      | <2       | 2.78     | <0.5     | 12       | 35       | 19       | 3.33     | 20       | 2.73 |
| DUP                        |                          |         | <0.5     | 7.67     | <5       | 2560     | 2.1      | <2       | 2.82     | <0.5     | 13       | 33       | 21       | 3.34     | 20       | 2.72 |
| Target Range - Lower Bound |                          |         | <0.5     | 7.22     | <5       | 2370     | 1.5      | <2       | 2.65     | <0.5     | 11       | 31       | 18       | 3.16     | <10      | 2.58 |
| Upper Bound                |                          |         | 1.0      | 8.00     | 10       | 2770     | 2.7      | 4        | 2.95     | 1.0      | 14       | 37       | 22       | 3.51     | 30       | 2.87 |
| W935388                    |                          | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| ORIGINAL                   |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| ORIGINAL                   |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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**QC CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description                                           | Method Analyte Units LOD | ME-ICP61 La ppm      | ME-ICP61 Mg %                | ME-ICP61 Mn ppm          | ME-ICP61 Mo ppm    | ME-ICP61 Na %                | ME-ICP61 Ni ppm      | ME-ICP61 P ppm               | ME-ICP61 Pb ppm      | ME-ICP61 S %                 | ME-ICP61 Sb ppm      | ME-ICP61 Sc ppm   | ME-ICP61 Sr ppm              | ME-ICP61 Th ppm         | ME-ICP61 Ti %                | ME-ICP61 Tl ppm         |
|--------------------------------------------------------------|--------------------------|----------------------|------------------------------|--------------------------|--------------------|------------------------------|----------------------|------------------------------|----------------------|------------------------------|----------------------|-------------------|------------------------------|-------------------------|------------------------------|-------------------------|
|                                                              |                          | 10                   | 0.01                         | 5                        | 1                  | 0.01                         | 1                    | 10                           | 2                    | 0.01                         | 5                    | 1                 | 1                            | 20                      | 0.01                         | 10                      |
| <b>DUPLICATES</b>                                            |                          |                      |                              |                          |                    |                              |                      |                              |                      |                              |                      |                   |                              |                         |                              |                         |
| W935331<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                      |                              |                          |                    |                              |                      |                              |                      |                              |                      |                   |                              |                         |                              |                         |
| W935334<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | 30<br>40<br>20<br>50 | 1.24<br>1.22<br>1.16<br>1.30 | 517<br>511<br>483<br>545 | 3<br>3<br>2<br>4   | 3.79<br>3.68<br>3.54<br>3.93 | 21<br>18<br>18<br>21 | 1060<br>1050<br>990<br>1120  | 36<br>35<br>32<br>39 | 0.15<br>0.14<br>0.13<br>0.16 | <5<br>5<br><5<br>10  | 8<br>8<br>7<br>9  | 1105<br>1080<br>1035<br>1150 | <20<br><20<br><20<br>40 | 0.19<br>0.20<br>0.18<br>0.21 | <10<br><10<br><10<br>20 |
| W935368<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                      |                              |                          |                    |                              |                      |                              |                      |                              |                      |                   |                              |                         |                              |                         |
| W935372<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | 50<br>50<br>40<br>60 | 1.49<br>1.48<br>1.40<br>1.57 | 715<br>722<br>678<br>759 | <1<br>1<br><1<br>2 | 3.77<br>3.72<br>3.55<br>3.94 | 16<br>22<br>17<br>21 | 1340<br>1310<br>1250<br>1400 | 27<br>28<br>24<br>31 | 0.03<br>0.03<br>0.02<br>0.04 | <5<br><5<br><5<br>10 | 9<br>9<br>8<br>10 | 1390<br>1440<br>1345<br>1485 | <20<br><20<br><20<br>40 | 0.24<br>0.24<br>0.22<br>0.26 | <10<br><10<br><10<br>20 |
| W935388<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                      |                              |                          |                    |                              |                      |                              |                      |                              |                      |                   |                              |                         |                              |                         |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                      |                              |                          |                    |                              |                      |                              |                      |                              |                      |                   |                              |                         |                              |                         |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                      |                              |                          |                    |                              |                      |                              |                      |                              |                      |                   |                              |                         |                              |                         |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                      |                              |                          |                    |                              |                      |                              |                      |                              |                      |                   |                              |                         |                              |                         |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description                                           | Method Analyte Units LOD | ME-ICP61 U ppm 10       | ME-ICP61 V ppm 1     | ME-ICP61 W ppm 10       | ME-ICP61 Zn ppm 2    |
|--------------------------------------------------------------|--------------------------|-------------------------|----------------------|-------------------------|----------------------|
| <b>DUPLICATES</b>                                            |                          |                         |                      |                         |                      |
| W935331<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                         |                      |                         |                      |
| W935334<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | <10<br><10<br><10<br>20 | 70<br>67<br>64<br>73 | <10<br><10<br><10<br>20 | 65<br>64<br>59<br>70 |
| W935368<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                         |                      |                         |                      |
| W935372<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | <10<br><10<br><10<br>20 | 85<br>85<br>80<br>90 | <10<br><10<br><10<br>20 | 71<br>75<br>67<br>79 |
| W935388<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                         |                      |                         |                      |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                      |                         |                      |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                      |                         |                      |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                      |                         |                      |



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| Sample Description         | Method Analyte Units LOD | Au-AA26<br>Au<br>ppm<br>0.01 | ME-ICP61<br>Ag<br>ppm<br>0.5 | ME-ICP61<br>Al<br>%<br>0.01 | ME-ICP61<br>As<br>ppm<br>5 | ME-ICP61<br>Ba<br>ppm<br>10 | ME-ICP61<br>Be<br>ppm<br>0.5 | ME-ICP61<br>Bi<br>ppm<br>2 | ME-ICP61<br>Ca<br>%<br>0.01 | ME-ICP61<br>Cd<br>ppm<br>0.5 | ME-ICP61<br>Co<br>ppm<br>1 | ME-ICP61<br>Cr<br>ppm<br>1 | ME-ICP61<br>Cu<br>ppm<br>1 | ME-ICP61<br>Fe<br>%<br>0.01 | ME-ICP61<br>Ga<br>ppm<br>10 | ME-ICP61<br>K<br>%<br>0.01 |
|----------------------------|--------------------------|------------------------------|------------------------------|-----------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|----------------------------|
| <b>DUPLICATES</b>          |                          |                              |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| ORIGINAL                   |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| ORIGINAL                   |                          | 0.01                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| ORIGINAL                   |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| ORIGINAL                   |                          | 0.06                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | 0.05                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | 0.04                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.07                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| ORIGINAL                   |                          | 0.06                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | 0.04                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | 0.04                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.06                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| ORIGINAL                   |                          | 0.05                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | 0.04                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | 0.03                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.06                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| <b>PREP DUPLICATES</b>     |                          |                              |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| W935214                    |                          | 0.03                         | <0.5                         | 4.20                        | <5                         | 250                         | 1.9                          | <2                         | 5.97                        | 0.7                          | 62                         | 1030                       | 44                         | 7.14                        | 10                          | 2.42                       |
| W935214 PREP DUP           |                          | 0.04                         | <0.5                         | 4.00                        | <5                         | 250                         | 1.9                          | 3                          | 5.78                        | <0.5                         | 62                         | 1010                       | 44                         | 6.99                        | 10                          | 2.35                       |
| W935278                    |                          | 0.02                         | 3.7                          | 3.72                        | <5                         | 940                         | 1.1                          | 16                         | 0.86                        | <0.5                         | 4                          | 19                         | 9                          | 0.96                        | 10                          | 0.52                       |
| W935278 PREP DUP           |                          | 0.17                         | 7.4                          | 3.29                        | <5                         | 900                         | 1.0                          | 27                         | 0.87                        | <0.5                         | 3                          | 22                         | 9                          | 0.96                        | 10                          | 0.50                       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description                                           | Method Analyte Units LOD | ME-ICP61 La ppm | ME-ICP61 Mg % | ME-ICP61 Mn ppm | ME-ICP61 Mo ppm | ME-ICP61 Na % | ME-ICP61 Ni ppm | ME-ICP61 P ppm | ME-ICP61 Pb ppm | ME-ICP61 S % | ME-ICP61 Sb ppm | ME-ICP61 Sc ppm | ME-ICP61 Sr ppm | ME-ICP61 Th ppm | ME-ICP61 Ti % | ME-ICP61 Tl ppm |
|--------------------------------------------------------------|--------------------------|-----------------|---------------|-----------------|-----------------|---------------|-----------------|----------------|-----------------|--------------|-----------------|-----------------|-----------------|-----------------|---------------|-----------------|
|                                                              |                          | 10              | 0.01          | 5               | 1               | 0.01          | 1               | 10             | 2               | 0.01         | 5               | 1               | 1               | 20              | 0.01          | 10              |
| <b>DUPLICATES</b>                                            |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| <b>PREP DUPLICATES</b>                                       |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| W935214                                                      |                          | 10              | 9.21          | 1365            | 3               | 0.19          | 466             | 390            | 11              | 0.31         | <5              | 25              | 217             | <20             | 0.17          | <10             |
| W935214 PREP DUP                                             |                          | <10             | 8.87          | 1335            | 4               | 0.19          | 443             | 360            | 16              | 0.29         | <5              | 24              | 220             | <20             | 0.14          | <10             |
| W935278                                                      |                          | 10              | 0.21          | 168             | <1              | 2.34          | 4               | 340            | 389             | 0.58         | <5              | 2               | 186             | <20             | 0.05          | <10             |
| W935278 PREP DUP                                             |                          | 10              | 0.22          | 166             | 1               | 2.22          | 6               | 310            | 726             | 0.53         | <5              | 1               | 186             | <20             | 0.04          | <10             |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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 North Vancouver BC V7H 0A7  
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Project: Golden Perimeter

|                                   |                   |
|-----------------------------------|-------------------|
| <b>QC CERTIFICATE OF ANALYSIS</b> | <b>TM20064373</b> |
|-----------------------------------|-------------------|

| Sample Description                                           | Method Analyte Units LOD | ME-ICP61 U ppm 10 | ME-ICP61 V ppm 1 | ME-ICP61 W ppm 10 | ME-ICP61 Zn ppm 2 |
|--------------------------------------------------------------|--------------------------|-------------------|------------------|-------------------|-------------------|
| <b>DUPLICATES</b>                                            |                          |                   |                  |                   |                   |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                   |                  |                   |                   |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                   |                  |                   |                   |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                   |                  |                   |                   |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                   |                  |                   |                   |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                   |                  |                   |                   |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                   |                  |                   |                   |
| <b>PREP DUPLICATES</b>                                       |                          |                   |                  |                   |                   |
| W935214<br>W935214 PREP DUP                                  |                          | <10<br><10        | 174<br>164       | <10<br><10        | 101<br>101        |
| W935278<br>W935278 PREP DUP                                  |                          | <10<br><10        | 21<br>19         | <10<br><10        | 15<br>15          |



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**QC CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description     | Method | Analyte | Units | LOD | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |     |      |
|------------------------|--------|---------|-------|-----|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|-----|------|
|                        |        |         |       |     | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe   | Ga  | K    |
|                        |        |         |       |     | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %    | ppm | %    |
|                        |        |         |       |     | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01 | 10  | 0.01 |
| <b>PREP DUPLICATES</b> |        |         |       |     |         |          |          |          |          |          |          |          |          |          |          |          |      |     |      |
| W935339                |        |         |       |     | <0.01   | <0.5     | 7.90     | <5       | 2710     | 1.9      | 4        | 2.33     | <0.5     | 12       | 45       | 10       | 2.97 | 20  | 2.70 |
| W935339 PREP DUP       |        |         |       |     | <0.01   | <0.5     | 7.38     | <5       | 2770     | 1.8      | <2       | 2.41     | <0.5     | 13       | 50       | 12       | 3.01 | 20  | 2.75 |

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**QC CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61               | ME-ICP61 | ME-ICP61  | ME-ICP61  | ME-ICP61 | ME-ICP61  | ME-ICP61 | ME-ICP61  | ME-ICP61 | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61 |           |
|--------------------|-----------------------------------|------------------------|----------|-----------|-----------|----------|-----------|----------|-----------|----------|-----------|-----------|-----------|-----------|----------|-----------|
|                    |                                   | La<br>ppm              | Mg<br>%  | Mn<br>ppm | Mo<br>ppm | Na<br>%  | Ni<br>ppm | P<br>ppm | Pb<br>ppm | S<br>%   | Sb<br>ppm | Sc<br>ppm | Sr<br>ppm | Th<br>ppm | Ti<br>%  | Tl<br>ppm |
|                    |                                   | 10                     | 0.01     | 5         | 1         | 0.01     | 1         | 10       | 2         | 0.01     | 5         | 1         | 1         | 20        | 0.01     | 10        |
|                    |                                   | <b>PREP DUPLICATES</b> |          |           |           |          |           |          |           |          |           |           |           |           |          |           |
| W935339            |                                   | 50                     | 1.42     | 555       | <1        | 3.81     | 24        | 1110     | 27        | 0.05     | <5        | 9         | 1250      | <20       | 0.23     | <10       |
| W935339 PREP DUP   |                                   | 40                     | 1.44     | 559       | 1         | 3.91     | 23        | 1130     | 27        | 0.06     | <5        | 8         | 1240      | <20       | 0.23     | <10       |

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**QC CERTIFICATE OF ANALYSIS TM20064373**

| Sample Description          | Method<br>Analyte<br>Units<br>LOD | ME-ICP61<br>U<br>ppm<br>10 | ME-ICP61<br>V<br>ppm<br>1 | ME-ICP61<br>W<br>ppm<br>10 | ME-ICP61<br>Zn<br>ppm<br>2 |
|-----------------------------|-----------------------------------|----------------------------|---------------------------|----------------------------|----------------------------|
| <b>PREP DUPLICATES</b>      |                                   |                            |                           |                            |                            |
| W935339<br>W935339 PREP DUP |                                   | <10                        | 77                        | <10                        | 67                         |
|                             |                                   |                            |                           |                            |                            |





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**QC CERTIFICATE OF ANALYSIS TM20064373**

| <b>CERTIFICATE COMMENTS</b> |                                                                                                                                                                                                                                                                                                                                                                                           |        |        |        |        |        |        |        |        |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
|                             | <b>LABORATORY ADDRESSES</b>                                                                                                                                                                                                                                                                                                                                                               |        |        |        |        |        |        |        |        |
| Applies to Method:          | <p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.<br/>           Au-AA26 ME-ICP61</p>                                                                                                                                                                                                                                                             |        |        |        |        |        |        |        |        |
| Applies to Method:          | <p>Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-21</td> <td style="width: 15%;">LOG-23</td> </tr> <tr> <td>PUL-31</td> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> </tr> </table> | CRU-31 | CRU-QC | LOG-21 | LOG-23 | PUL-31 | PUL-QC | SPL-21 | WEI-21 |
| CRU-31                      | CRU-QC                                                                                                                                                                                                                                                                                                                                                                                    | LOG-21 | LOG-23 |        |        |        |        |        |        |
| PUL-31                      | PUL-QC                                                                                                                                                                                                                                                                                                                                                                                    | SPL-21 | WEI-21 |        |        |        |        |        |        |



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**CERTIFICATE TM20067960**

Project: Golden Perimeter

This report is for 5 Drill Core samples submitted to our lab in Timmins, ON, Canada on 23-MAR-2020.

The following have access to data associated with this certificate:

|                |              |              |
|----------------|--------------|--------------|
| IAN DUNLOP     | DARWIN GREEN | NEAL MAGUIRE |
| CONOR MCKINLEY |              |              |

| SAMPLE PREPARATION |                               |
|--------------------|-------------------------------|
| ALS CODE           | DESCRIPTION                   |
| FND-02             | Find Sample for Addn Analysis |

| ANALYTICAL PROCEDURES |                                 |            |
|-----------------------|---------------------------------|------------|
| ALS CODE              | DESCRIPTION                     | INSTRUMENT |
| ME-XRF26              | Whole Rock By Fusion/XRF        | XRF        |
| OA-GRA05x             | LOI for XRF                     | WST-SEQ    |
| ME-MS42               | Up to 34 elements by ICP-MS     | ICP-MS     |
| S-IR08                | Total Sulphur (IR Spectroscopy) | LECO       |
| C-IR07                | Total Carbon (IR Spectroscopy)  | LECO       |
| ME-MS81               | Lithium Borate Fusion ICP-MS    | ICP-MS     |
| ME-4ACD81             | Base Metals by 4-acid dig.      | ICP-AES    |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:   
 Saa Traxler, General Manager, North Vancouver



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 2103 Dollarton Hwy  
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**CERTIFICATE OF ANALYSIS TM20067960**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26              | ME-XRF26 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------------------|----------|
|                    |                                   | Al2O3    | BaO      | CaO      | Cr2O3    | Fe2O3    | K2O      | MgO      | MnO      | Na2O     | P2O5     | SiO2     | SrO      | TiO2     | OA-GRA05x<br>LOI 1000 | Total    |
|                    |                                   | %        | %        | %        | %        | %        | %        | %        | %        | %        | %        | %        | %        | %        | %                     | %        |
|                    | 0.01                              | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01                  | 0.01     |
| W935171            | 14.31                             | 0.20     | 5.36     | 0.01     | 7.82     | 2.12     | 4.40     | 0.14     | 5.97     | 0.75     | 53.05    | 0.11     | 0.64     | 5.18     | 100.35                |          |
| W935228            | 16.37                             | 0.29     | 3.19     | 0.01     | 3.60     | 3.19     | 1.99     | 0.07     | 5.82     | 0.24     | 62.99    | 0.18     | 0.33     | 1.78     | 100.25                |          |
| W935281            | 15.29                             | 0.22     | 2.19     | 0.01     | 2.52     | 2.88     | 1.32     | 0.05     | 5.64     | 0.14     | 67.16    | 0.09     | 0.23     | 2.09     | 100.25                |          |
| W935322            | 15.62                             | 0.29     | 3.78     | 0.01     | 4.03     | 3.24     | 2.34     | 0.08     | 5.42     | 0.25     | 60.22    | 0.10     | 0.35     | 4.42     | 100.75                |          |
| W935371            | 15.78                             | 0.29     | 4.21     | 0.01     | 4.69     | 3.15     | 2.70     | 0.09     | 5.02     | 0.29     | 61.94    | 0.18     | 0.41     | 1.37     | 100.35                |          |

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 2103 Dollarton Hwy  
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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20067960**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |     |
|--------------------|-----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----|
|                    |                                   | Ba      | Ce      | Cr      | Cs      | Dy      | Er      | Eu      | Ga      | Gd      | Ge      | Hf      | Ho      | La      | Lu      | Nb  |
|                    |                                   | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm |
|                    |                                   | 0.5     | 0.1     | 10      | 0.01    | 0.05    | 0.03    | 0.02    | 0.1     | 0.05    | 5       | 0.1     | 0.01    | 0.1     | 0.01    | 0.1 |
| W935171            |                                   | 1835    | 169.0   | 60      | 4.37    | 6.16    | 2.49    | 3.77    | 20.6    | 11.90   | <5      | 7.0     | 0.99    | 82.9    | 0.29    | 7.9 |
| W935228            |                                   | 2650    | 75.9    | 40      | 0.95    | 2.22    | 1.17    | 1.59    | 21.3    | 4.65    | <5      | 4.3     | 0.39    | 38.3    | 0.14    | 5.3 |
| W935281            |                                   | 1985    | 52.6    | 30      | 1.25    | 1.63    | 0.69    | 1.17    | 20.0    | 3.18    | <5      | 3.4     | 0.27    | 27.1    | 0.09    | 5.5 |
| W935322            |                                   | 2820    | 100.0   | 50      | 0.70    | 2.36    | 1.07    | 1.60    | 20.5    | 4.44    | <5      | 4.7     | 0.40    | 53.1    | 0.17    | 5.4 |
| W935371            |                                   | 2660    | 121.5   | 40      | 0.69    | 2.84    | 1.33    | 1.89    | 21.1    | 5.50    | <5      | 4.0     | 0.43    | 62.1    | 0.14    | 5.7 |



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**CERTIFICATE OF ANALYSIS TM20067960**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |      |
|--------------------|-----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|
|                    |                                   | Nd      | Pr      | Rb      | Sm      | Sn      | Sr      | Ta      | Tb      | Th      | Tm      | U       | V       | W       | Y       | Yb   |
|                    |                                   | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm  |
|                    |                                   | 0.1     | 0.02    | 0.2     | 0.03    | 1       | 0.1     | 0.01    | 0.05    | 0.01    | 0.05    | 5       | 1       | 0.1     | 0.03    |      |
| W935171            |                                   | 88.6    | 20.7    | 65.7    | 17.60   | 2       | 965     | 0.3     | 1.21    | 18.00   | 0.28    | 4.86    | 165     | 1       | 26.5    | 2.18 |
| W935228            |                                   | 36.8    | 9.01    | 68.3    | 6.81    | 1       | 1570    | 0.2     | 0.49    | 7.21    | 0.16    | 2.58    | 64      | 3       | 12.2    | 1.02 |
| W935281            |                                   | 24.2    | 6.02    | 66.8    | 4.31    | 1       | 739     | 0.1     | 0.31    | 7.70    | 0.09    | 2.00    | 45      | 5       | 7.5     | 0.52 |
| W935322            |                                   | 44.5    | 11.40   | 65.6    | 7.04    | 1       | 805     | 0.2     | 0.49    | 9.62    | 0.15    | 2.40    | 75      | 4       | 11.0    | 1.02 |
| W935371            |                                   | 55.7    | 14.15   | 67.0    | 8.79    | 1       | 1485    | 0.3     | 0.59    | 11.10   | 0.16    | 3.69    | 87      | 1       | 13.3    | 1.22 |

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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20067960**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81   | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-MS42   | ME-MS42   | ME-MS42   | ME-MS42   |
|--------------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                    |                                   | Zr<br>ppm | Ag<br>ppm | Cd<br>ppm | Co<br>ppm | Cu<br>ppm | Li<br>ppm | Mo<br>ppm | Ni<br>ppm | Pb<br>ppm | Sc<br>ppm | Zn<br>ppm | As<br>ppm | Bi<br>ppm | Hg<br>ppm | In<br>ppm |
|                    |                                   | 2         | 0.5       | 0.5       | 1         | 1         | 10        | 1         | 1         | 2         | 1         | 2         | 0.1       | 0.01      | 0.005     | 0.005     |
| W935171            |                                   | 270       | <0.5      | <0.5      | 23        | 38        | 10        | <1        | 32        | 23        | 17        | 88        | 0.9       | 0.09      | <0.005    | 0.045     |
| W935228            |                                   | 174       | <0.5      | <0.5      | 9         | 10        | 10        | <1        | 19        | 32        | 6         | 66        | 0.5       | 0.09      | <0.005    | 0.012     |
| W935281            |                                   | 119       | <0.5      | <0.5      | 6         | 29        | 10        | <1        | 15        | 36        | 4         | 44        | 0.3       | 0.28      | <0.005    | 0.010     |
| W935322            |                                   | 173       | <0.5      | <0.5      | 10        | 19        | 10        | 3         | 22        | 21        | 8         | 63        | 0.3       | 0.18      | <0.005    | 0.021     |
| W935371            |                                   | 150       | <0.5      | <0.5      | 13        | 5         | 10        | <1        | 16        | 27        | 9         | 68        | 0.4       | 0.03      | <0.005    | 0.011     |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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 North Vancouver BC V7H 0A7  
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 Account: GOLHIGH

Project: Golden Perimeter

|                                              |
|----------------------------------------------|
| <b>CERTIFICATE OF ANALYSIS    TM20067960</b> |
|----------------------------------------------|

| Sample Description | Method Analyte Units LOD | ME-MS42<br>Re<br>ppm<br>0.001 | ME-MS42<br>Sb<br>ppm<br>0.05 | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02 | S-IR08<br>S<br>%<br>0.01 | C-IR07<br>C<br>%<br>0.01 |
|--------------------|--------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------|--------------------------|
| W935171            |                          | <0.001                        | <0.05                        | 13.3                        | 0.2                         | 0.01                         | 0.47                         | 0.08                     | 1.33                     |
| W935228            |                          | <0.001                        | <0.05                        | 2.6                         | <0.2                        | <0.01                        | 0.06                         | 0.04                     | 0.36                     |
| W935281            |                          | <0.001                        | <0.05                        | 2.3                         | <0.2                        | 0.02                         | 0.05                         | 0.14                     | 0.46                     |
| W935322            |                          | 0.001                         | <0.05                        | 6.3                         | 0.3                         | 0.03                         | 0.03                         | 0.21                     | 1.09                     |
| W935371            |                          | <0.001                        | <0.05                        | 2.9                         | <0.2                        | <0.01                        | 0.05                         | 0.04                     | 0.23                     |
|                    |                          |                               |                              |                             |                             |                              |                              |                          |                          |



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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20067960**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

|                    |                                                                                        |          |           |         |
|--------------------|----------------------------------------------------------------------------------------|----------|-----------|---------|
| Applies to Method: | Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. |          |           |         |
|                    | C-IR07                                                                                 | FND-02   | ME-4ACD81 | ME-MS42 |
|                    | ME-MS81                                                                                | ME-XRF26 | OA-GRA05x | S-IR08  |





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**QC CERTIFICATE TM20067960**

Project: Golden Perimeter

This report is for 5 Drill Core samples submitted to our lab in Timmins, ON, Canada on 23-MAR-2020.

The following have access to data associated with this certificate:

|                              |              |              |
|------------------------------|--------------|--------------|
| IAN DUNLOP<br>CONOR MCKINLEY | DARWIN GREEN | NEAL MAGUIRE |
|------------------------------|--------------|--------------|

| SAMPLE PREPARATION |                               |
|--------------------|-------------------------------|
| ALS CODE           | DESCRIPTION                   |
| FND-02             | Find Sample for Addn Analysis |

| ANALYTICAL PROCEDURES |                                 |            |
|-----------------------|---------------------------------|------------|
| ALS CODE              | DESCRIPTION                     | INSTRUMENT |
| ME-XRF26              | Whole Rock By Fusion/XRF        | XRF        |
| OA-GRA05x             | LOI for XRF                     | WST-SEQ    |
| ME-MS42               | Up to 34 elements by ICP-MS     | ICP-MS     |
| S-IR08                | Total Sulphur (IR Spectroscopy) | LECO       |
| C-IR07                | Total Carbon (IR Spectroscopy)  | LECO       |
| ME-MS81               | Lithium Borate Fusion ICP-MS    | ICP-MS     |
| ME-4ACD81             | Base Metals by 4-acid dig.      | ICP-AES    |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

**Signature:**   
 Saa Traxler, General Manager, North Vancouver



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 2103 Dollarton Hwy  
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**QC CERTIFICATE OF ANALYSIS TM20067960**

| Method Analyte Units LOD   | ME-XRF26 Al2O3 % | ME-XRF26 BaO % | ME-XRF26 CaO % | ME-XRF26 Cr2O3 % | ME-XRF26 Fe2O3 % | ME-XRF26 K2O % | ME-XRF26 MgO % | ME-XRF26 MnO % | ME-XRF26 Na2O % | ME-XRF26 P2O5 % | ME-XRF26 SiO2 % | ME-XRF26 SrO % | ME-XRF26 TiO2 % | OA-GRA05x LOI 1000 % | ME-XRF26 Total % |
|----------------------------|------------------|----------------|----------------|------------------|------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------------|------------------|
| Sample Description         | 0.01             | 0.01           | 0.01           | 0.01             | 0.01             | 0.01           | 0.01           | 0.01           | 0.01            | 0.01            | 0.01            | 0.01           | 0.01            | 0.01                 | 0.01             |
| <b>STANDARDS</b>           |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| AMIS0304                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| AMIS0343                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| AMIS0547                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 38.04            |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 36.19            |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 40.02            |
| EMOG-17                    |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| GS313-8                    |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 218                  | 13.49            | 0.02           | 10.05          | 0.04             | 12.15            | 0.23           | 7.22           | 0.19           | 2.97            | 0.10            | 49.18           | 0.02           | 1.11            |                      |                  |
| Target Range - Lower Bound | 13.04            | <0.01          | 9.73           | <0.01            | 11.63            | 0.20           | 6.81           | 0.16           | 2.75            | 0.07            | 48.02           | <0.01          | 1.04            | 97.28                |                  |
| Upper Bound                | 13.96            | 0.04           | 10.45          | 0.05             | 12.47            | 0.26           | 7.39           | 0.22           | 3.05            | 0.13            | 50.38           | 0.03           | 1.20            | 0.02                 |                  |
| OREAS 220                  | 13.71            | 0.02           | 9.66           | 0.04             | 11.47            | 0.47           | 7.07           | 0.17           | 2.79            | 0.18            | 50.37           | 0.03           | 1.29            | 97.80                |                  |
| Target Range - Lower Bound | 13.12            | <0.01          | 9.28           | 0.02             | 11.00            | 0.42           | 6.92           | 0.14           | 2.60            | 0.15            | 49.10           | <0.01          | 1.19            | <0.01                |                  |
| Upper Bound                | 14.04            | 0.05           | 10.00          | 0.06             | 11.80            | 0.51           | 7.50           | 0.20           | 2.90            | 0.21            | 51.50           | 0.05           | 1.37            | 0.02                 |                  |
| OREAS 920                  |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS-101b                 |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS-45d                  |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS-45e                  |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 8.67             |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 8.11             |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 8.99             |



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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20067960**

| Sample Description         | Method Analyte Units LOD | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |        |
|----------------------------|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
|                            |                          | Ba ppm  | Ce ppm  | Cr ppm  | Cs ppm  | Dy ppm  | Er ppm  | Eu ppm  | Ga ppm  | Gd ppm  | Ge ppm  | Hf ppm  | Ho ppm  | La ppm  | Lu ppm  | Nb ppm |
|                            |                          | 0.5     | 0.1     | 10      | 0.01    | 0.05    | 0.03    | 0.02    | 0.1     | 0.05    | 5       | 0.1     | 0.01    | 0.1     | 0.1     |        |
| <b>STANDARDS</b>           |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| AMIS0304                   |                          | 2610    | 8190    | 90      | 0.38    | 131.5   | 33.0    | 138.5   | 45.8    | 332     | 6       | 27.6    | 16.80   | 3390    | 2.00    | >2500  |
| Target Range - Lower Bound |                          | 2340    | 7280    | 70      | 0.35    | 119.0   | 30.6    | 135.0   | 47.8    | 309     | <5      | 25.1    | 16.20   | 3250    | 1.84    | 4670   |
| Upper Bound                |                          | 2860    | 8900    | 120     | 0.45    | 145.5   | 37.4    | 165.0   | 58.7    | 377     | 18      | 30.9    | 19.80   | 3970    | 2.27    | >2500  |
| AMIS0343                   |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| AMIS0547                   |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| EMOG-17                    |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| GS313-8                    |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 218                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 220                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 920                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS-101b                 |                          | 187.5   | 1340    | 30      | 2.24    | 31.4    | 18.70   | 7.44    | 28.7    | 33.7    | <5      | 10.9    | 6.23    | 785     | 2.48    | 57.4   |
| Target Range - Lower Bound |                          |         | 1200    |         |         | 28.8    | 16.80   | 6.97    |         | 32.4    |         |         | 5.70    | 710     | 2.31    |        |
| Upper Bound                |                          |         | 1465    |         |         | 35.4    | 20.6    | 8.57    |         | 39.7    |         |         | 6.98    | 868     | 2.85    |        |
| OREAS-45d                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS-45e                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |

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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20067960**

| Sample Description         | Method Analyte Units LOD | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |        |
|----------------------------|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
|                            |                          | Nd ppm  | Pr ppm  | Rb ppm  | Sm ppm  | Sn ppm  | Sr ppm  | Ta ppm  | Tb ppm  | Th ppm  | Tm ppm  | U ppm   | V ppm   | W ppm   | Y ppm   | Yb ppm |
|                            |                          | 0.1     | 0.02    | 0.2     | 0.03    | 1       | 0.1     | 0.1     | 0.01    | 0.05    | 0.01    | 0.05    | 5       | 1       | 0.1     | 0.03   |
| <b>STANDARDS</b>           |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| AMIS0304                   |                          | 4210    | >1000   | 10.2    | 603     | 24      | 3330    | 12.1    | 31.9    | 434     | 3.27    | 22.6    | 350     | 5       | 391     | 16.30  |
| Target Range - Lower Bound |                          | 3610    | 925     | 9.3     | 543     | 22      | 3060    | 11.1    | 30.8    | 406     | 3.14    | 21.6    | 331     | 3       | 369     | 15.25  |
| Upper Bound                |                          | 4410    | >1000   | 11.8    | 664     | 29      | 3740    | 13.8    | 37.7    | 496     | 3.86    | 26.5    | 415     | 7       | 451     | 18.75  |
| AMIS0343                   |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| AMIS0547                   |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| EMOG-17                    |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| GS313-8                    |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 218                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 220                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 920                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS-101b                 |                          | 391     | 124.0   | 177.0   | 50.8    | 9       | 21.5    | 2.7     | 5.17    | 35.3    | 2.67    | 381     | 81      | 20      | 164.5   | 17.70  |
| Target Range - Lower Bound |                          | 340     | 114.5   |         | 43.2    |         |         |         | 4.82    | 32.7    | 2.38    | 348     | 66      |         | 160.0   |        |
| Upper Bound                |                          | 416     | 139.5   |         | 52.8    |         |         |         | 5.92    | 40.1    | 2.94    | 426     | 94      |         | 196.0   |        |
| OREAS-45d                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS-45e                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Finalized Date: 6-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20067960**

| Sample Description         | Method Analyte Units LOD | ME-MS81<br>Zr<br>ppm<br>2 | ME-4ACD81<br>Ag<br>ppm<br>0.5 | ME-4ACD81<br>Cd<br>ppm<br>0.5 | ME-4ACD81<br>Co<br>ppm<br>1 | ME-4ACD81<br>Cu<br>ppm<br>1 | ME-4ACD81<br>Li<br>ppm<br>10 | ME-4ACD81<br>Mo<br>ppm<br>1 | ME-4ACD81<br>Ni<br>ppm<br>1 | ME-4ACD81<br>Pb<br>ppm<br>2 | ME-4ACD81<br>Sc<br>ppm<br>1 | ME-4ACD81<br>Zn<br>ppm<br>2 | ME-MS42<br>As<br>ppm<br>0.1 | ME-MS42<br>Bi<br>ppm<br>0.01 | ME-MS42<br>Hg<br>ppm<br>0.005 | ME-MS42<br>In<br>ppm<br>0.005 |       |
|----------------------------|--------------------------|---------------------------|-------------------------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|-------|
| <b>STANDARDS</b>           |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |       |
| AMIS0304                   |                          | 1140                      |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |       |
| Target Range - Lower Bound |                          | 1005                      |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |       |
| Upper Bound                |                          | 1230                      |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |       |
| AMIS0343                   |                          | <0.5                      | <0.5                          | 2                             | 53                          | 7150                        | 3                            | 15                          | 5                           | <1                          | 80                          |                             |                             |                              |                               |                               |       |
| Target Range - Lower Bound |                          | <0.5                      | <0.5                          | <1                            | 47                          | 6300                        | <1                           | 11                          | <2                          | <1                          | 70                          |                             |                             |                              |                               |                               |       |
| Upper Bound                |                          | 1.1                       | 1.0                           | 5                             | 56                          | 7730                        | 6                            | 17                          | 10                          | 2                           | 90                          |                             |                             |                              |                               |                               |       |
| AMIS0547                   |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |       |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |       |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |       |
| EMOG-17                    |                          | 68.6                      | 20.2                          | 759                           | 8340                        | 30                          | 1065                         | 7660                        | 7480                        | 8                           | 7450                        |                             |                             |                              |                               |                               |       |
| Target Range - Lower Bound |                          | 60.4                      | 17.7                          | 685                           | 7740                        | <10                         | 996                          | 6820                        | 6570                        | 6                           | 6800                        |                             |                             |                              |                               |                               |       |
| Upper Bound                |                          | 75.0                      | 22.7                          | 839                           | 8910                        | 50                          | 1220                         | 8330                        | 8030                        | 10                          | 8320                        |                             |                             |                              |                               |                               |       |
| GS313-8                    |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |       |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |       |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |       |
| OREAS 218                  |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |       |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |       |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |       |
| OREAS 220                  |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |       |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |       |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |       |
| OREAS 920                  |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 5.2                         | 0.60                         | <0.005                        | 0.032                         |       |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 4.2                         | 0.60                         | <0.005                        | 0.019                         |       |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 5.4                         | 0.76                         | 0.010                         | 0.043                         |       |
| OREAS-101b                 |                          | 403                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |       |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |       |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |       |
| OREAS-45d                  |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |       |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             | 6.4                          | 0.26                          | 0.036                         | 0.077 |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             | 5.8                          | 0.26                          | 0.025                         | 0.071 |
| OREAS-45e                  |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |       |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             | 7.3                          | 0.34                          | 0.053                         | 0.099 |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |       |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20067960**

| Sample Description         | Method Analyte Units LOD | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 | S-IR08 | C-IR07 |
|----------------------------|--------------------------|---------|---------|---------|---------|---------|---------|--------|--------|
|                            |                          | Re ppm  | Sb ppm  | Sc ppm  | Se ppm  | Te ppm  | Tl ppm  | S %    | C %    |
| <b>STANDARDS</b>           |                          |         |         |         |         |         |         |        |        |
| AMIS0304                   |                          |         |         |         |         |         |         |        |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |        |        |
| Upper Bound                |                          |         |         |         |         |         |         |        |        |
| AMIS0343                   |                          |         |         |         |         |         |         |        |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |        |        |
| Upper Bound                |                          |         |         |         |         |         |         |        |        |
| AMIS0547                   |                          |         |         |         |         |         |         |        |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |        |        |
| Upper Bound                |                          |         |         |         |         |         |         |        |        |
| EMOG-17                    |                          |         |         |         |         |         |         |        |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |        |        |
| Upper Bound                |                          |         |         |         |         |         |         |        |        |
| GS313-8                    |                          |         |         |         |         |         | 1.28    | 0.92   |        |
| Target Range - Lower Bound |                          |         |         |         |         |         | 1.19    | 0.90   |        |
| Upper Bound                |                          |         |         |         |         |         | 1.29    | 0.98   |        |
| OREAS 218                  |                          |         |         |         |         |         |         |        |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |        |        |
| Upper Bound                |                          |         |         |         |         |         |         |        |        |
| OREAS 220                  |                          |         |         |         |         |         |         |        |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |        |        |
| Upper Bound                |                          |         |         |         |         |         |         |        |        |
| OREAS 920                  |                          | <0.001  | 0.64    | 3.2     | 0.3     | 0.01    | 0.16    |        |        |
| Target Range - Lower Bound |                          | <0.001  | 0.45    | 2.5     | <0.2    | <0.01   | 0.09    |        |        |
| Upper Bound                |                          | 0.002   | 0.77    | 3.3     | 0.6     | 0.04    | 0.20    |        |        |
| OREAS-101b                 |                          |         |         |         |         |         |         |        |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |        |        |
| Upper Bound                |                          |         |         |         |         |         |         |        |        |
| OREAS-45d                  |                          | <0.001  | 0.32    | 44.9    | 1.1     | 0.05    | 0.12    |        |        |
| Target Range - Lower Bound |                          | <0.001  | 0.22    | 37.3    | 0.7     | 0.02    | 0.07    |        |        |
| Upper Bound                |                          | 0.003   | 0.49    | 45.8    | 1.7     | 0.06    | 0.17    |        |        |
| OREAS-45e                  |                          |         |         |         |         |         |         |        |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |        |        |
| Upper Bound                |                          |         |         |         |         |         |         |        |        |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20067960**

| Method Analyte Units LOD   | ME-XRF26 Al2O3 % | ME-XRF26 BaO % | ME-XRF26 CaO % | ME-XRF26 Cr2O3 % | ME-XRF26 Fe2O3 % | ME-XRF26 K2O % | ME-XRF26 MgO % | ME-XRF26 MnO % | ME-XRF26 Na2O % | ME-XRF26 P2O5 % | ME-XRF26 SiO2 % | ME-XRF26 SrO % | ME-XRF26 TiO2 % | OA-GRA05x LOI 1000 % | ME-XRF26 Total % |
|----------------------------|------------------|----------------|----------------|------------------|------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------------|------------------|
| Sample Description         | 0.01             | 0.01           | 0.01           | 0.01             | 0.01             | 0.01           | 0.01           | 0.01           | 0.01            | 0.01            | 0.01            | 0.01           | 0.01            | 0.01                 | 0.01             |
| <b>BLANKS</b>              |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      | <0.01            | <0.01          | <0.01          | <0.01            | <0.01            | <0.01          | <0.01          | <0.01          | <0.01           | <0.01           | 99.76           | <0.01          | <0.01           |                      | 99.76            |
| Target Range - Lower Bound | <0.01            | <0.01          | <0.01          | <0.01            | <0.01            | <0.01          | <0.01          | <0.01          | <0.01           | <0.01           | <0.01           | <0.01          | <0.01           |                      | <0.01            |
| Upper Bound                | 0.02             | 0.02           | 0.02           | 0.02             | 0.02             | 0.02           | 0.02           | 0.02           | 0.02            | 0.02            | 0.02            | 0.02           | 0.02            |                      | 0.02             |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 0.02                 |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | <0.01                |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 0.02                 |                  |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| <b>DUPLICATES</b>          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| ORIGINAL                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| DUP                        |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| ORIGINAL                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| DUP                        |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| W934959                    |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| DUP                        |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20067960**

| Method Analyte Units LOD   | ME-MS81 Ba ppm 0.5 | ME-MS81 Ce ppm 0.1 | ME-MS81 Cr ppm 10 | ME-MS81 Cs ppm 0.01 | ME-MS81 Dy ppm 0.05 | ME-MS81 Er ppm 0.03 | ME-MS81 Eu ppm 0.02 | ME-MS81 Ga ppm 0.1 | ME-MS81 Gd ppm 0.05 | ME-MS81 Ge ppm 5 | ME-MS81 Hf ppm 0.1 | ME-MS81 Ho ppm 0.01 | ME-MS81 La ppm 0.1 | ME-MS81 Lu ppm 0.01 | ME-MS81 Nb ppm 0.1 |
|----------------------------|--------------------|--------------------|-------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|------------------|--------------------|---------------------|--------------------|---------------------|--------------------|
| <b>BLANKS</b>              |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| BLANK                      |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| BLANK                      |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| BLANK                      | 1.9                | 0.1                | <10               | 0.01                | <0.05               | <0.03               | <0.02               | 0.2                | <0.05               | <5               | <0.1               | <0.01               | 0.1                | 0.02                | <0.1               |
| Target Range - Lower Bound | <0.5               | <0.1               | <10               | <0.01               | <0.05               | <0.03               | <0.02               | <0.1               | <0.05               |                  | <0.1               | <0.01               | <0.1               | <0.01               | <0.1               |
| Upper Bound                | 1.0                | 0.2                | 20                | 0.02                | 0.10                | 0.06                | 0.04                | 0.2                | 0.10                |                  | 0.2                | 0.02                | 0.2                | 0.02                | 0.2                |
| BLANK                      |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| BLANK                      |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| BLANK                      |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| <b>DUPLICATES</b>          |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| ORIGINAL                   |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| DUP                        |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| ORIGINAL                   |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| DUP                        |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| W934959                    |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| DUP                        |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Target Range - Lower Bound |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |
| Upper Bound                |                    |                    |                   |                     |                     |                     |                     |                    |                     |                  |                    |                     |                    |                     |                    |





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20067960**

| Method Analyte Units LOD   | ME-MS81 Nd ppm 0.1 | ME-MS81 Pr ppm 0.02 | ME-MS81 Rb ppm 0.2 | ME-MS81 Sm ppm 0.03 | ME-MS81 Sn ppm 1 | ME-MS81 Sr ppm 0.1 | ME-MS81 Ta ppm 0.1 | ME-MS81 Tb ppm 0.01 | ME-MS81 Th ppm 0.05 | ME-MS81 Tm ppm 0.01 | ME-MS81 U ppm 0.05 | ME-MS81 V ppm 5 | ME-MS81 W ppm 1 | ME-MS81 Y ppm 0.1 | ME-MS81 Yb ppm 0.03 |
|----------------------------|--------------------|---------------------|--------------------|---------------------|------------------|--------------------|--------------------|---------------------|---------------------|---------------------|--------------------|-----------------|-----------------|-------------------|---------------------|
| <b>BLANKS</b>              |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| BLANK                      |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| BLANK                      |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| BLANK                      | <0.1               | <0.02               | <0.2               | <0.03               | <1               | 0.2                | <0.1               | <0.01               | <0.05               | 0.01                | <0.05              | <5              | <1              | <0.1              | 0.03                |
| Target Range - Lower Bound | <0.1               | <0.02               | <0.2               | <0.03               | <1               | <0.1               | <0.1               | <0.01               | <0.05               | <0.01               | <0.05              | <5              | <1              | <0.1              | <0.03               |
| Upper Bound                | 0.2                | 0.04                | 0.4                | 0.06                | 2                | 0.2                | 0.2                | 0.02                | 0.10                | 0.02                | 0.10               | 10              | 2               | 0.2               | 0.06                |
| BLANK                      |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| BLANK                      |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| BLANK                      |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| <b>DUPLICATES</b>          |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| ORIGINAL                   |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| DUP                        |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| ORIGINAL                   |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| DUP                        |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| W934959                    |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| DUP                        |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20067960**

| Method Analyte Units LOD   | ME-MS81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 |  |
|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|---------|---------|--|
| Sample Description         | Zr ppm  | Ag ppm    | Cd ppm    | Co ppm    | Cu ppm    | Li ppm    | Mo ppm    | Ni ppm    | Pb ppm    | Sc ppm    | Zn ppm    | As ppm  | Bi ppm  | Hg ppm  | In ppm  |  |
|                            | 2       | 0.5       | 0.5       | 1         | 1         | 10        | 1         | 1         | 2         | 1         | 2         | 0.1     | 0.01    | 0.005   | 0.005   |  |
| <b>BLANKS</b>              |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| BLANK                      |         | <0.5      | <0.5      | <1        | 1         | <10       | <1        | <1        | <2        | <1        | <2        |         |         |         |         |  |
| Target Range - Lower Bound |         | <0.5      | <0.5      | <1        | <1        |           | <1        | <1        | <2        |           | <2        |         |         |         |         |  |
| Upper Bound                |         | 1.0       | 1.0       | 2         | 2         |           | 2         | 2         | 4         |           | 4         |         |         |         |         |  |
| BLANK                      |         |           |           |           |           |           |           |           |           |           |           | <0.1    | <0.01   | <0.005  | <0.005  |  |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           | <0.1    | <0.01   | <0.005  | <0.005  |  |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           | 0.2     | 0.02    | 0.010   | 0.010   |  |
| BLANK                      | <2      |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Target Range - Lower Bound | <2      |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Upper Bound                | 4       |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| BLANK                      |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| BLANK                      |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| BLANK                      |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| <b>DUPLICATES</b>          |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| ORIGINAL                   |         |           |           |           |           |           |           |           |           |           |           | 57.0    | 0.76    | 0.023   | 0.031   |  |
| DUP                        |         |           |           |           |           |           |           |           |           |           |           | 54.7    | 0.78    | 0.021   | 0.031   |  |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           | 53.0    | 0.72    | 0.015   | 0.024   |  |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           | 58.7    | 0.82    | 0.029   | 0.038   |  |
| ORIGINAL                   |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| DUP                        |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| W934959                    |         | <0.5      | <0.5      | 13        | 64        | 10        | <1        | 18        | 21        | 9         | 58        |         |         |         |         |  |
| DUP                        |         | <0.5      | <0.5      | 12        | 63        | 10        | <1        | 17        | 22        | 8         | 58        |         |         |         |         |  |
| Target Range - Lower Bound |         | <0.5      | <0.5      | 11        | 60        | <10       | <1        | 16        | 18        | 7         | 53        |         |         |         |         |  |
| Upper Bound                |         | 1.0       | 1.0       | 14        | 67        | 20        | 2         | 19        | 25        | 10        | 63        |         |         |         |         |  |

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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM20067960**

| Sample Description | Method Analyte Units LOD   | ME-MS42 Re ppm | ME-MS42 Sb ppm | ME-MS42 Sc ppm | ME-MS42 Se ppm | ME-MS42 Te ppm | ME-MS42 Tl ppm | S-IR08 S % | C-IR07 C % |
|--------------------|----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|------------|------------|
| <b>BLANKS</b>      |                            |                |                |                |                |                |                |            |            |
| BLANK              | Target Range - Lower Bound | <0.001         | <0.05          | <0.1           | <0.2           | <0.01          | <0.02          |            |            |
|                    | Upper Bound                |                |                |                |                |                |                |            |            |
| BLANK              | Target Range - Lower Bound | <0.001         | <0.05          | <0.1           | <0.2           | <0.01          | <0.02          |            |            |
|                    | Upper Bound                | 0.002          | 0.10           | 0.2            | 0.4            | 0.02           | 0.04           |            |            |
| BLANK              | Target Range - Lower Bound |                |                |                |                |                |                |            |            |
|                    | Upper Bound                |                |                |                |                |                |                |            |            |
| BLANK              | Target Range - Lower Bound |                |                |                |                |                |                |            |            |
|                    | Upper Bound                |                |                |                |                |                |                |            |            |
| BLANK              | Target Range - Lower Bound |                |                |                |                |                |                |            |            |
|                    | Upper Bound                |                |                |                |                |                |                |            |            |
| BLANK              | Target Range - Lower Bound |                |                |                |                |                |                | 0.01       | <0.01      |
|                    | Upper Bound                |                |                |                |                |                |                | <0.01      | <0.01      |
|                    |                            |                |                |                |                |                |                | 0.02       | 0.02       |
| <b>DUPLICATES</b>  |                            |                |                |                |                |                |                |            |            |
| ORIGINAL           |                            | <0.001         | 4.70           | 1.6            | 1.0            | 0.23           | 0.03           |            |            |
| DUP                |                            | <0.001         | 4.64           | 1.5            | 1.1            | 0.22           | 0.03           |            |            |
|                    | Target Range - Lower Bound | <0.001         | 4.27           | 1.4            | 0.8            | 0.20           | <0.02          |            |            |
|                    | Upper Bound                | 0.002          | 5.07           | 1.7            | 1.3            | 0.25           | 0.04           |            |            |
| ORIGINAL           |                            |                |                |                |                |                |                | 0.03       | 0.40       |
| DUP                |                            |                |                |                |                |                |                | 0.03       | 0.41       |
|                    | Target Range - Lower Bound |                |                |                |                |                |                | 0.02       | 0.38       |
|                    | Upper Bound                |                |                |                |                |                |                | 0.04       | 0.43       |
| W934959            |                            |                |                |                |                |                |                |            |            |
| DUP                |                            |                |                |                |                |                |                |            |            |
|                    | Target Range - Lower Bound |                |                |                |                |                |                |            |            |
|                    | Upper Bound                |                |                |                |                |                |                |            |            |

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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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| Sample Description         | Method  | XRF26 | XRF26 | XRF26 | XRF26 | XRF26 | XRF26 | XRF26 | XRF26 | XRF26 | XRF26 | XRF26 | XRF26 | GRA05x | XRF26    |        |
|----------------------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|----------|--------|
|                            | Analyte | Al2O3 | BaO   | CaO   | Cr2O3 | Fe2O3 | K2O   | MgO   | MnO   | Na2O  | P2O5  | SiO2  | SrO   | TiO2   | LOI 1000 | Total  |
|                            | Units   | %     | %     | %     | %     | %     | %     | %     | %     | %     | %     | %     | %     | %      | %        | %      |
|                            | LOD     | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01   | 0.01     | 0.01   |
| <b>DUPLICATES</b>          |         |       |       |       |       |       |       |       |       |       |       |       |       |        |          |        |
| W935371                    |         | 15.78 | 0.29  | 4.21  | 0.01  | 4.69  | 3.15  | 2.70  | 0.09  | 5.02  | 0.29  | 61.94 | 0.18  | 0.41   | 1.37     | 100.35 |
| DUP                        |         | 15.79 | 0.29  | 4.21  | 0.01  | 4.72  | 3.14  | 2.69  | 0.10  | 5.02  | 0.29  | 61.94 | 0.18  | 0.41   | 1.38     | 100.40 |
| Target Range - Lower Bound |         | 15.54 | 0.27  | 4.14  | <0.01 | 4.62  | 3.06  | 2.64  | 0.08  | 4.88  | 0.27  | 61.00 | 0.16  | 0.39   | 1.33     | 99.36  |
| Upper Bound                |         | 16.03 | 0.31  | 4.28  | 0.02  | 4.79  | 3.23  | 2.75  | 0.11  | 5.16  | 0.31  | 62.88 | 0.20  | 0.43   | 1.42     | 101.40 |

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 2103 Dollarton Hwy  
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**QC CERTIFICATE OF ANALYSIS TM20067960**

| Sample Description         | Method<br>Analyte<br>Units<br>LOD | ME-MS81<br>Ba<br>ppm<br>0.5 | ME-MS81<br>Ce<br>ppm<br>0.1 | ME-MS81<br>Cr<br>ppm<br>10 | ME-MS81<br>Cs<br>ppm<br>0.01 | ME-MS81<br>Dy<br>ppm<br>0.05 | ME-MS81<br>Er<br>ppm<br>0.03 | ME-MS81<br>Eu<br>ppm<br>0.02 | ME-MS81<br>Ga<br>ppm<br>0.1 | ME-MS81<br>Gd<br>ppm<br>0.05 | ME-MS81<br>Ge<br>ppm<br>5 | ME-MS81<br>Hf<br>ppm<br>0.1 | ME-MS81<br>Ho<br>ppm<br>0.01 | ME-MS81<br>La<br>ppm<br>0.1 | ME-MS81<br>Lu<br>ppm<br>0.01 | ME-MS81<br>Nb<br>ppm<br>0.1 |
|----------------------------|-----------------------------------|-----------------------------|-----------------------------|----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|------------------------------|---------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|-----------------------------|
| <b>DUPLICATES</b>          |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| W935371                    |                                   | 2660                        | 121.5                       | 40                         | 0.69                         | 2.84                         | 1.33                         | 1.89                         | 21.1                        | 5.50                         | <5                        | 4.0                         | 0.43                         | 62.1                        | 0.14                         | 5.7                         |
| DUP                        |                                   | 2610                        | 118.5                       | 40                         | 0.63                         | 2.91                         | 1.24                         | 1.78                         | 21.8                        | 5.31                         | <5                        | 4.2                         | 0.46                         | 61.9                        | 0.15                         | 5.2                         |
| Target Range - Lower Bound |                                   | 2500                        | 114.0                       | 30                         | 0.62                         | 2.68                         | 1.19                         | 1.72                         | 20.3                        | 5.08                         | <5                        | 3.8                         | 0.41                         | 58.8                        | 0.13                         | 5.1                         |
| Upper Bound                |                                   | 2770                        | 126.0                       | 50                         | 0.70                         | 3.07                         | 1.38                         | 1.95                         | 22.6                        | 5.73                         | 10                        | 4.4                         | 0.48                         | 65.2                        | 0.16                         | 5.8                         |

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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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**QC CERTIFICATE OF ANALYSIS TM20067960**

| Sample Description         | Method  | MS81 | MS81  | MS81 | MS81 | MS81 | MS81 | MS81 | MS81 | MS81  | MS81 | MS81 | MS81 | MS81 | MS81 |      |
|----------------------------|---------|------|-------|------|------|------|------|------|------|-------|------|------|------|------|------|------|
|                            | Analyte | Nd   | Pr    | Rb   | Sm   | Sn   | Sr   | Ta   | Tb   | Th    | Tm   | U    | V    | W    | Y    | Yb   |
|                            | Units   | ppm  | ppm   | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  |
|                            | LOD     | 0.1  | 0.02  | 0.2  | 0.03 | 1    | 0.1  | 0.1  | 0.01 | 0.05  | 0.01 | 0.05 | 5    | 1    | 0.1  | 0.03 |
| <b>DUPLICATES</b>          |         |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |
| W935371                    |         | 55.7 | 14.15 | 67.0 | 8.79 | 1    | 1485 | 0.3  | 0.59 | 11.10 | 0.16 | 3.69 | 87   | 1    | 13.3 | 1.22 |
| DUP                        |         | 53.7 | 13.45 | 65.2 | 9.00 | 1    | 1460 | 0.3  | 0.54 | 11.75 | 0.17 | 3.26 | 87   | <1   | 13.1 | 1.20 |
| Target Range - Lower Bound |         | 51.9 | 13.10 | 62.6 | 8.42 | <1   | 1400 | 0.2  | 0.53 | 10.80 | 0.15 | 3.25 | 78   | <1   | 12.4 | 1.12 |
| Upper Bound                |         | 57.5 | 14.50 | 69.6 | 9.37 | 2    | 1545 | 0.4  | 0.60 | 12.05 | 0.18 | 3.70 | 96   | 2    | 14.0 | 1.30 |

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**QC CERTIFICATE OF ANALYSIS TM20067960**

| Sample Description | Method  | MS81 | 4ACD81 | 4ACD81 | 4ACD81 | 4ACD81 | 4ACD81 | 4ACD81 | 4ACD81 | 4ACD81 | 4ACD81 | 4ACD81 | MS42 | MS42 | MS42  | MS42  |
|--------------------|---------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|-------|-------|
|                    | Analyte | Zr   | Ag     | Cd     | Co     | Cu     | Li     | Mo     | Ni     | Pb     | Sc     | Zn     | As   | Bi   | Hg    | In    |
|                    | Units   | ppm  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm  | ppm  | ppm   | ppm   |
|                    | LOD     | 2    | 0.5    | 0.5    | 1      | 1      | 10     | 1      | 1      | 2      | 1      | 2      | 0.1  | 0.01 | 0.005 | 0.005 |

|                            |                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------------|-------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                            | <b>DUPLICATES</b> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| W935371                    | 150               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DUP                        | 143               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Target Range - Lower Bound | 137               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Upper Bound                | 156               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 Plus Appendix Pages  
 Finalized Date: 6-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20067960**

| Sample Description                                          | Method            | Analyte | Units | LOD | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 | S-IR08 | C-IR07 |
|-------------------------------------------------------------|-------------------|---------|-------|-----|---------|---------|---------|---------|---------|---------|--------|--------|
|                                                             |                   | Re      | Sb    | Sc  | Se      | Te      | Tl      | S       | C       |         |        |        |
|                                                             |                   | ppm     | ppm   | ppm | ppm     | ppm     | ppm     | %       | %       |         |        |        |
|                                                             |                   | 0.001   | 0.05  | 0.1 | 0.2     | 0.01    | 0.02    | 0.01    | 0.01    |         |        |        |
| W935371<br>DUP<br>Target Range - Lower Bound<br>Upper Bound | <b>DUPLICATES</b> |         |       |     |         |         |         |         |         |         |        |        |
|                                                             |                   |         |       |     |         |         |         |         |         |         |        |        |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*





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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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To: **HIGHGOLD MINING**  
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Total # Appendix Pages: **1**  
Finalized Date: **6-APR-2020**  
Account: **GOLHIGH**

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20067960**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
C-IR07 FND-02 ME-4ACD81  
ME-MS81 ME-XRF26 OA-GRA05x

ME-MS42  
S-IR08



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Page: 1  
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 Finalized Date: 13-APR-2020  
 Account: GOLHIGH

**CERTIFICATE TM20064375**

Project: Golden Perimeter  
 P.O. No.: GP20-04  
 This report is for 221 Drill Core samples submitted to our lab in Timmins, ON, Canada on 18-MAR-2020.  
 The following have access to data associated with this certificate:

|                |              |              |
|----------------|--------------|--------------|
| IAN DUNLOP     | DARWIN GREEN | NEAL MAGUIRE |
| CONOR MCKINLEY |              |              |

| SAMPLE PREPARATION |                                 |
|--------------------|---------------------------------|
| ALS CODE           | DESCRIPTION                     |
| WEI-21             | Received Sample Weight          |
| LOG-21             | Sample logging - ClientBarCode  |
| CRU-QC             | Crushing QC Test                |
| PUL-QC             | Pulverizing QC Test             |
| CRU-31             | Fine crushing - 70% <2mm        |
| SPL-21             | Split sample - riffle splitter  |
| PUL-31             | Pulverize up to 250g 85% <75 um |
| LOG-23             | Pulp Login - Rcvd with Barcode  |

| ANALYTICAL PROCEDURES |                               |            |
|-----------------------|-------------------------------|------------|
| ALS CODE              | DESCRIPTION                   | INSTRUMENT |
| ME-ICP61              | 33 element four acid ICP-AES  | ICP-AES    |
| Au-AA26               | Ore Grade Au 50g FA AA finish | AAS        |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:   
 Saa Traxler, General Manager, North Vancouver



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 North Vancouver BC V7H 0A7  
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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064375**

| Sample Description | Method Analyte Units LOD | WEI-21       | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|--------------------|--------------------------|--------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Recvd Wt. kg | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm |
|                    |                          | 0.02         | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 0.01     | 10       |        |
| W935401            |                          | 3.92         | 0.01    | <0.5     | 6.75     | <5       | 2090     | 2.0      | 3        | 5.02     | <0.5     | 24       | 131      | 36       | 4.56     | 20     |
| W935402            |                          | 2.20         | 0.14    | <0.5     | 6.78     | <5       | 2280     | 2.3      | 4        | 5.12     | <0.5     | 24       | 138      | 33       | 4.51     | 20     |
| W935403            |                          | 1.10         | 0.41    | <0.5     | 6.89     | <5       | 1410     | 2.7      | 4        | 3.87     | <0.5     | 13       | 39       | 48       | 2.96     | 20     |
| W935404            |                          | 2.46         | 0.09    | <0.5     | 7.24     | <5       | 2450     | 2.1      | <2       | 3.13     | <0.5     | 13       | 30       | 40       | 3.01     | 20     |
| W935405            |                          | 1.32         | 0.01    | <0.5     | 7.51     | <5       | 1910     | 2.1      | 5        | 2.84     | <0.5     | 14       | 30       | 37       | 3.17     | 20     |
| W935406            |                          | 1.84         | <0.01   | <0.5     | 7.31     | <5       | 2260     | 1.9      | 3        | 2.58     | <0.5     | 12       | 31       | 45       | 3.12     | 20     |
| W935407            |                          | 1.38         | <0.01   | <0.5     | 7.58     | <5       | 2420     | 2.0      | 2        | 2.62     | <0.5     | 13       | 30       | 28       | 3.10     | 20     |
| W935408            |                          | 1.31         | <0.01   | <0.5     | 7.19     | <5       | 2350     | 2.0      | 2        | 2.74     | <0.5     | 14       | 30       | 39       | 3.07     | 20     |
| W935409            |                          | 2.51         | <0.01   | 1.3      | 7.45     | <5       | 2240     | 2.1      | 5        | 2.62     | <0.5     | 14       | 32       | 56       | 3.16     | 20     |
| W935410            |                          | 0.43         | <0.01   | <0.5     | 0.69     | <5       | 20       | <0.5     | <2       | 0.02     | <0.5     | 1        | 12       | 1        | 0.64     | <10    |
| W935411            |                          | 1.38         | <0.01   | <0.5     | 7.66     | <5       | 2370     | 2.1      | <2       | 2.62     | <0.5     | 16       | 56       | 34       | 3.42     | 20     |
| W935412            |                          | 1.92         | <0.01   | <0.5     | 7.73     | <5       | 2590     | 2.0      | 3        | 3.00     | <0.5     | 13       | 31       | 29       | 3.19     | 20     |
| W935413            |                          | 2.10         | 0.13    | <0.5     | 7.23     | <5       | 2130     | 2.0      | 3        | 2.92     | <0.5     | 13       | 30       | 47       | 3.05     | 20     |
| W935414            |                          | 1.44         | 0.03    | <0.5     | 7.42     | <5       | 2700     | 1.9      | <2       | 2.93     | <0.5     | 13       | 34       | 60       | 3.04     | 20     |
| W935415            |                          | 2.37         | <0.01   | <0.5     | 7.57     | <5       | 2690     | 2.0      | 5        | 2.54     | <0.5     | 13       | 34       | 43       | 3.18     | 20     |
| W935416            |                          | 3.74         | 0.02    | <0.5     | 7.42     | <5       | 2500     | 1.9      | <2       | 2.69     | <0.5     | 14       | 34       | 56       | 3.21     | 20     |
| W935417            |                          | 1.12         | 0.02    | <0.5     | 7.55     | <5       | 2410     | 2.0      | <2       | 2.88     | <0.5     | 13       | 31       | 5        | 3.21     | 20     |
| W935418            |                          | 1.74         | <0.01   | <0.5     | 7.71     | <5       | 3090     | 2.0      | 2        | 2.91     | <0.5     | 14       | 33       | 7        | 3.24     | 20     |
| W935419            |                          | 2.14         | <0.01   | <0.5     | 7.64     | <5       | 2540     | 2.0      | 2        | 2.80     | <0.5     | 14       | 32       | 9        | 3.21     | 20     |
| W935420            |                          | 0.04         | 0.52    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W935421            |                          | 1.38         | 0.80    | <0.5     | 7.22     | <5       | 2470     | 1.9      | 2        | 2.94     | <0.5     | 12       | 31       | 33       | 3.00     | 20     |
| W935422            |                          | 1.97         | <0.01   | <0.5     | 7.65     | <5       | 2530     | 1.9      | <2       | 2.74     | <0.5     | 12       | 30       | 12       | 3.10     | 20     |
| W935423            |                          | 1.92         | 0.01    | <0.5     | 7.56     | <5       | 2820     | 2.0      | <2       | 3.02     | <0.5     | 14       | 30       | 30       | 3.18     | 20     |
| W935424            |                          | 1.54         | <0.01   | <0.5     | 7.93     | <5       | 2850     | 2.0      | 2        | 2.79     | <0.5     | 13       | 32       | 28       | 3.21     | 20     |
| W935425            |                          | 3.08         | <0.01   | <0.5     | 8.03     | <5       | 2820     | 2.1      | <2       | 2.84     | <0.5     | 14       | 32       | 22       | 3.27     | 20     |
| W935426            |                          | 1.61         | <0.01   | <0.5     | 7.80     | <5       | 2680     | 1.9      | <2       | 3.35     | <0.5     | 16       | 43       | 64       | 3.54     | 20     |
| W935427            |                          | 0.99         | 0.02    | <0.5     | 7.51     | <5       | 3530     | 1.8      | <2       | 3.38     | <0.5     | 13       | 29       | 80       | 2.97     | 20     |
| W935428            |                          | 2.92         | <0.01   | <0.5     | 8.73     | <5       | 2850     | 2.3      | <2       | 2.79     | <0.5     | 15       | 31       | 134      | 3.52     | 20     |
| W935429            |                          | 2.33         | <0.01   | <0.5     | 8.32     | <5       | 3140     | 2.4      | <2       | 3.08     | <0.5     | 14       | 32       | 82       | 3.21     | 20     |
| W935430            |                          | 0.39         | <0.01   | <0.5     | 1.15     | <5       | 30       | <0.5     | <2       | 0.02     | <0.5     | 1        | 10       | 1        | 0.61     | <10    |
| W935431            |                          | 3.41         | 0.01    | <0.5     | 7.97     | <5       | 2760     | 2.0      | <2       | 2.69     | <0.5     | 13       | 31       | 15       | 3.19     | 20     |
| W935432            |                          | 1.49         | <0.01   | <0.5     | 7.95     | <5       | 3180     | 1.9      | <2       | 2.61     | <0.5     | 13       | 32       | 21       | 3.16     | 20     |
| W935433            |                          | 1.72         | <0.01   | <0.5     | 8.05     | <5       | 3390     | 1.9      | <2       | 2.66     | <0.5     | 13       | 31       | 17       | 3.12     | 20     |
| W935434            |                          | 0.79         | <0.01   | <0.5     | 7.95     | <5       | 2760     | 2.0      | 3        | 2.53     | <0.5     | 14       | 31       | 18       | 3.13     | 20     |
| W935435            |                          | 0.97         | 0.24    | <0.5     | 7.61     | <5       | 2570     | 2.2      | <2       | 3.20     | <0.5     | 14       | 30       | 33       | 3.02     | 20     |
| W935436            |                          | 2.54         | 0.04    | <0.5     | 7.88     | <5       | 2720     | 1.9      | <2       | 2.55     | <0.5     | 13       | 30       | 73       | 3.12     | 20     |
| W935437            |                          | 2.65         | 0.01    | <0.5     | 7.92     | <5       | 2760     | 2.0      | <2       | 2.31     | <0.5     | 13       | 30       | 64       | 3.09     | 20     |
| W935438            |                          | 2.28         | <0.01   | <0.5     | 8.14     | <5       | 2840     | 2.1      | 2        | 2.57     | <0.5     | 14       | 33       | 59       | 3.18     | 20     |
| W935439            |                          | 1.66         | <0.01   | <0.5     | 7.75     | <5       | 2540     | 2.1      | <2       | 2.77     | <0.5     | 13       | 31       | 29       | 3.20     | 20     |
| W935440            |                          | 0.06         | 0.50    |          |          |          |          |          |          |          |          |          |          |          |          |        |



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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064375**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| W935401            |                          | 1.86     | 40       | 2.80     | 941      | <1       | 2.58     | 55       | 1670     | 27       | 0.15     | <5       | 16       | 1505     | <20      | 0.32 |
| W935402            |                          | 1.98     | 40       | 2.72     | 912      | <1       | 2.52     | 55       | 1600     | 17       | 0.47     | 7        | 16       | 735      | <20      | 0.30 |
| W935403            |                          | 2.37     | 40       | 1.31     | 610      | 1        | 2.65     | 19       | 1150     | 14       | 0.99     | <5       | 9        | 550      | <20      | 0.21 |
| W935404            |                          | 2.63     | 40       | 1.23     | 549      | <1       | 3.46     | 16       | 1240     | 30       | 0.24     | <5       | 8        | 885      | <20      | 0.22 |
| W935405            |                          | 2.60     | 40       | 1.48     | 591      | <1       | 3.57     | 17       | 1250     | 29       | 0.29     | <5       | 8        | 767      | <20      | 0.21 |
| W935406            |                          | 2.73     | 40       | 1.46     | 587      | <1       | 3.39     | 20       | 1250     | 35       | 0.08     | <5       | 8        | 963      | <20      | 0.23 |
| W935407            |                          | 2.86     | 40       | 1.42     | 646      | 1        | 3.38     | 17       | 1240     | 26       | 0.16     | <5       | 9        | 1105     | <20      | 0.24 |
| W935408            |                          | 2.58     | 40       | 1.38     | 662      | <1       | 3.56     | 18       | 1250     | 41       | 0.21     | <5       | 8        | 1215     | <20      | 0.23 |
| W935409            |                          | 2.48     | 50       | 1.53     | 648      | <1       | 3.71     | 17       | 1310     | 132      | 0.50     | 6        | 9        | 1670     | <20      | 0.24 |
| W935410            |                          | 0.09     | 10       | 0.02     | 27       | <1       | 0.02     | 1        | 60       | <2       | <0.01    | <5       | 1        | 18       | <20      | 0.03 |
| W935411            |                          | 2.67     | 50       | 1.78     | 693      | 1        | 3.60     | 24       | 1350     | 23       | 0.21     | <5       | 11       | 1135     | <20      | 0.26 |
| W935412            |                          | 2.79     | 50       | 1.49     | 660      | 1        | 3.55     | 18       | 1300     | 30       | 0.17     | 5        | 9        | 992      | <20      | 0.24 |
| W935413            |                          | 2.30     | 40       | 1.47     | 619      | <1       | 3.51     | 15       | 1240     | 26       | 0.24     | <5       | 8        | 842      | <20      | 0.23 |
| W935414            |                          | 2.84     | 40       | 1.44     | 662      | <1       | 3.44     | 17       | 1220     | 38       | 0.32     | 5        | 9        | 1115     | <20      | 0.23 |
| W935415            |                          | 2.95     | 50       | 1.55     | 675      | 1        | 3.56     | 20       | 1300     | 57       | 0.19     | 6        | 9        | 1135     | <20      | 0.25 |
| W935416            |                          | 2.47     | 50       | 1.52     | 663      | 2        | 3.56     | 23       | 1290     | 31       | 0.34     | <5       | 9        | 1125     | <20      | 0.25 |
| W935417            |                          | 2.41     | 50       | 1.47     | 685      | <1       | 3.65     | 19       | 1340     | 24       | 0.09     | <5       | 9        | 1005     | <20      | 0.25 |
| W935418            |                          | 2.56     | 50       | 1.48     | 702      | <1       | 3.63     | 18       | 1350     | 23       | 0.11     | <5       | 10       | 1475     | <20      | 0.25 |
| W935419            |                          | 2.56     | 50       | 1.45     | 691      | <1       | 3.51     | 18       | 1300     | 31       | 0.11     | <5       | 9        | 1205     | <20      | 0.25 |
| W935420            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935421            |                          | 2.11     | 40       | 1.43     | 650      | 1        | 3.54     | 16       | 1260     | 39       | 0.50     | <5       | 9        | 928      | <20      | 0.24 |
| W935422            |                          | 2.50     | 50       | 1.42     | 674      | <1       | 3.50     | 17       | 1300     | 21       | 0.05     | <5       | 9        | 1575     | <20      | 0.24 |
| W935423            |                          | 2.47     | 50       | 1.41     | 709      | <1       | 3.71     | 17       | 1320     | 25       | 0.13     | <5       | 9        | 1450     | <20      | 0.25 |
| W935424            |                          | 2.72     | 50       | 1.48     | 708      | <1       | 3.80     | 17       | 1360     | 27       | 0.12     | <5       | 9        | 1560     | <20      | 0.26 |
| W935425            |                          | 2.74     | 50       | 1.51     | 712      | <1       | 3.89     | 18       | 1390     | 26       | 0.08     | <5       | 10       | 1485     | <20      | 0.26 |
| W935426            |                          | 2.26     | 50       | 1.59     | 758      | 2        | 3.77     | 29       | 1280     | 27       | 0.29     | <5       | 11       | 1480     | <20      | 0.30 |
| W935427            |                          | 2.19     | 50       | 1.38     | 664      | 3        | 3.89     | 15       | 1290     | 55       | 0.68     | <5       | 9        | 3900     | 20       | 0.24 |
| W935428            |                          | 3.01     | 50       | 1.50     | 731      | 48       | 4.16     | 18       | 1350     | 28       | 0.52     | <5       | 10       | 1500     | <20      | 0.26 |
| W935429            |                          | 2.88     | 50       | 1.48     | 741      | 1        | 4.08     | 17       | 1390     | 25       | 0.18     | <5       | 9        | 1480     | <20      | 0.26 |
| W935430            |                          | 0.06     | 20       | 0.01     | 24       | <1       | 0.02     | 1        | 40       | <2       | <0.01    | <5       | 1        | 31       | <20      | 0.03 |
| W935431            |                          | 2.66     | 50       | 1.46     | 711      | 4        | 3.84     | 17       | 1330     | 20       | 0.09     | <5       | 9        | 1440     | <20      | 0.25 |
| W935432            |                          | 2.54     | 50       | 1.43     | 689      | <1       | 3.81     | 16       | 1250     | 21       | 0.09     | <5       | 9        | 1790     | <20      | 0.24 |
| W935433            |                          | 2.56     | 50       | 1.44     | 698      | <1       | 3.82     | 15       | 1290     | 23       | 0.14     | <5       | 9        | 3030     | 20       | 0.25 |
| W935434            |                          | 2.67     | 50       | 1.44     | 697      | <1       | 3.75     | 17       | 1270     | 22       | 0.05     | <5       | 9        | 1570     | <20      | 0.25 |
| W935435            |                          | 2.73     | 40       | 1.28     | 621      | <1       | 3.35     | 16       | 1270     | 37       | 0.40     | <5       | 9        | 867      | <20      | 0.24 |
| W935436            |                          | 2.61     | 50       | 1.39     | 676      | 1        | 3.76     | 19       | 1260     | 26       | 0.17     | <5       | 9        | 1440     | <20      | 0.24 |
| W935437            |                          | 2.71     | 50       | 1.55     | 652      | 1        | 3.69     | 17       | 1270     | 21       | 0.07     | <5       | 9        | 1235     | <20      | 0.24 |
| W935438            |                          | 2.71     | 50       | 1.44     | 694      | 1        | 3.91     | 16       | 1290     | 25       | 0.15     | <5       | 9        | 1750     | <20      | 0.25 |
| W935439            |                          | 2.59     | 50       | 1.47     | 741      | <1       | 3.70     | 16       | 1290     | 41       | 0.19     | <5       | 9        | 1610     | <20      | 0.25 |
| W935440            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |



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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064375**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W935401            |                                   | <10      | <10      | 134      | <10      | 92       |
| W935402            |                                   | <10      | <10      | 145      | <10      | 108      |
| W935403            |                                   | <10      | <10      | 103      | <10      | 62       |
| W935404            |                                   | <10      | <10      | 80       | <10      | 63       |
| W935405            |                                   | <10      | <10      | 84       | <10      | 70       |
| W935406            |                                   | <10      | <10      | 82       | <10      | 68       |
| W935407            |                                   | <10      | <10      | 82       | <10      | 68       |
| W935408            |                                   | <10      | <10      | 80       | <10      | 67       |
| W935409            |                                   | <10      | <10      | 84       | <10      | 71       |
| W935410            |                                   | <10      | <10      | 4        | <10      | 4        |
| W935411            |                                   | <10      | <10      | 92       | <10      | 71       |
| W935412            |                                   | <10      | <10      | 85       | <10      | 69       |
| W935413            |                                   | <10      | <10      | 82       | <10      | 67       |
| W935414            |                                   | <10      | <10      | 82       | <10      | 68       |
| W935415            |                                   | <10      | <10      | 86       | <10      | 73       |
| W935416            |                                   | <10      | <10      | 87       | <10      | 78       |
| W935417            |                                   | <10      | <10      | 89       | <10      | 72       |
| W935418            |                                   | <10      | <10      | 87       | <10      | 72       |
| W935419            |                                   | <10      | <10      | 85       | <10      | 68       |
| W935420            |                                   |          |          |          |          |          |
| W935421            |                                   | <10      | <10      | 86       | <10      | 68       |
| W935422            |                                   | <10      | <10      | 83       | <10      | 68       |
| W935423            |                                   | <10      | <10      | 83       | <10      | 71       |
| W935424            |                                   | <10      | <10      | 89       | <10      | 70       |
| W935425            |                                   | <10      | <10      | 89       | <10      | 71       |
| W935426            |                                   | <10      | <10      | 90       | <10      | 75       |
| W935427            |                                   | <10      | <10      | 83       | <10      | 69       |
| W935428            |                                   | <10      | <10      | 89       | <10      | 72       |
| W935429            |                                   | <10      | <10      | 88       | <10      | 73       |
| W935430            |                                   | <10      | <10      | 5        | <10      | 2        |
| W935431            |                                   | <10      | <10      | 85       | <10      | 71       |
| W935432            |                                   | <10      | <10      | 83       | <10      | 70       |
| W935433            |                                   | <10      | <10      | 82       | <10      | 70       |
| W935434            |                                   | <10      | <10      | 83       | <10      | 69       |
| W935435            |                                   | <10      | <10      | 86       | <10      | 69       |
| W935436            |                                   | <10      | <10      | 85       | <10      | 68       |
| W935437            |                                   | <10      | <10      | 83       | <10      | 68       |
| W935438            |                                   | <10      | <10      | 84       | <10      | 71       |
| W935439            |                                   | <10      | <10      | 87       | <10      | 74       |
| W935440            |                                   |          |          |          |          |          |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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To: HIGHGOLD MINING  
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 VANCOUVER BC V6C 2V6

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 Finalized Date: 13-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064375**

| Sample Description | Method  | WEI-21    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|---------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    | Analyte | Recvd Wt. | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga       |
| Units              |         | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      |
| LOD                |         | 0.02      | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       |
| W935441            |         | 3.40      | <0.01   | <0.5     | 7.78     | <5       | 2650     | 2.0      | <2       | 2.68     | <0.5     | 15       | 45       | 36       | 3.20     | 20       |
| W935442            |         | 1.57      | <0.01   | <0.5     | 8.03     | <5       | 2790     | 2.1      | <2       | 2.52     | <0.5     | 12       | 30       | 21       | 3.06     | 20       |
| W935443            |         | 3.31      | <0.01   | <0.5     | 7.99     | <5       | 2770     | 2.1      | <2       | 2.48     | <0.5     | 13       | 30       | 50       | 3.04     | 20       |
| W935444            |         | 2.26      | <0.01   | <0.5     | 7.90     | <5       | 2460     | 2.0      | 2        | 2.64     | <0.5     | 12       | 30       | 23       | 3.11     | 20       |
| W935445            |         | 2.93      | <0.01   | <0.5     | 7.70     | <5       | 2660     | 2.0      | <2       | 2.58     | <0.5     | 13       | 34       | 66       | 3.03     | 20       |
| W935446            |         | 1.19      | <0.01   | <0.5     | 7.65     | <5       | 2510     | 2.1      | <2       | 2.34     | <0.5     | 13       | 34       | 84       | 3.02     | 20       |
| W935447            |         | 3.27      | 0.04    | <0.5     | 7.67     | <5       | 2580     | 2.0      | <2       | 2.62     | <0.5     | 13       | 34       | 30       | 2.89     | 20       |
| W935448            |         | 2.84      | <0.01   | <0.5     | 8.16     | <5       | 2910     | 2.2      | 2        | 2.65     | <0.5     | 13       | 37       | 11       | 3.23     | 20       |
| W935449            |         | 0.66      | <0.01   | 0.5      | 7.10     | <5       | 2130     | 2.0      | <2       | 2.49     | <0.5     | 14       | 85       | 336      | 3.39     | 20       |
| W935450            |         | 0.41      | <0.01   | <0.5     | 1.13     | <5       | 20       | <0.5     | <2       | 0.02     | <0.5     | 1        | 12       | 2        | 0.63     | <10      |
| W935451            |         | 1.21      | <0.01   | <0.5     | 7.43     | <5       | 1120     | 2.2      | <2       | 3.22     | <0.5     | 10       | 33       | 63       | 2.62     | 20       |
| W935452            |         | 2.63      | <0.01   | <0.5     | 6.98     | <5       | 2010     | 1.7      | <2       | 2.36     | <0.5     | 11       | 30       | 49       | 2.58     | 20       |
| W935453            |         | 1.52      | 0.14    | <0.5     | 7.07     | <5       | 2320     | 2.1      | <2       | 2.99     | <0.5     | 12       | 42       | 71       | 2.70     | 20       |
| W935454            |         | 1.00      | <0.01   | <0.5     | 7.34     | <5       | 2340     | 1.9      | <2       | 2.25     | <0.5     | 11       | 30       | 27       | 2.71     | 20       |
| W935455            |         | 1.77      | <0.01   | <0.5     | 7.22     | <5       | 2560     | 2.0      | <2       | 3.22     | <0.5     | 12       | 29       | 64       | 2.55     | 20       |
| W935456            |         | 1.12      | <0.01   | <0.5     | 6.66     | <5       | 2240     | 2.0      | <2       | 2.46     | <0.5     | 9        | 27       | 434      | 2.25     | 20       |
| W935457            |         | 1.85      | 0.01    | <0.5     | 6.95     | <5       | 2450     | 2.0      | <2       | 3.01     | <0.5     | 11       | 45       | 70       | 2.73     | 20       |
| W935458            |         | 1.14      | 0.01    | <0.5     | 7.21     | <5       | 3110     | 1.9      | 3        | 3.78     | <0.5     | 13       | 28       | 122      | 2.62     | 20       |
| W935459            |         | 1.54      | 0.01    | <0.5     | 6.29     | <5       | 1450     | 2.2      | <2       | 4.79     | <0.5     | 25       | 240      | 34       | 4.81     | 20       |
| W935460            |         | 0.06      | 0.53    |          |          |          |          |          |          |          |          |          |          |          |          |          |
| W935461            |         | 0.66      | <0.01   | <0.5     | 6.29     | <5       | 2540     | 2.5      | <2       | 4.16     | <0.5     | 27       | 260      | 55       | 5.00     | 20       |
| W935462            |         | 2.34      | <0.01   | <0.5     | 6.57     | <5       | 1740     | 2.3      | 2        | 4.58     | <0.5     | 29       | 279      | 16       | 4.99     | 20       |
| W935463            |         | 2.03      | <0.01   | <0.5     | 6.40     | <5       | 1730     | 2.4      | <2       | 4.33     | <0.5     | 28       | 266      | 20       | 4.98     | 20       |
| W935464            |         | 1.09      | 0.02    | 0.9      | 6.14     | <5       | 1600     | 2.0      | 5        | 3.94     | <0.5     | 12       | 68       | 95       | 2.60     | 20       |
| W935465            |         | 0.61      | 0.02    | <0.5     | 6.90     | <5       | 1730     | 2.0      | <2       | 3.40     | <0.5     | 16       | 79       | 63       | 3.25     | 20       |
| W935466            |         | 0.76      | 0.01    | <0.5     | 6.87     | <5       | 1780     | 2.0      | 2        | 3.41     | <0.5     | 16       | 81       | 73       | 3.33     | 20       |
| W935467            |         | 2.53      | <0.01   | <0.5     | 7.40     | <5       | 1970     | 2.2      | <2       | 2.81     | <0.5     | 16       | 91       | 34       | 3.35     | 20       |
| W935468            |         | 1.31      | <0.01   | <0.5     | 7.25     | <5       | 1760     | 2.1      | <2       | 3.03     | <0.5     | 16       | 91       | 13       | 3.30     | 20       |
| W935469            |         | 1.56      | <0.01   | <0.5     | 7.41     | <5       | 2590     | 2.0      | <2       | 2.74     | <0.5     | 14       | 44       | 28       | 3.16     | 20       |
| W935470            |         | 0.41      | <0.01   | <0.5     | 1.75     | <5       | 20       | <0.5     | <2       | 0.01     | <0.5     | 1        | 12       | 1        | 0.86     | 10       |
| W935471            |         | 3.42      | <0.01   | <0.5     | 7.61     | <5       | 2590     | 2.1      | <2       | 2.34     | <0.5     | 12       | 36       | 32       | 2.92     | 20       |
| W935472            |         | 2.02      | <0.01   | <0.5     | 7.52     | <5       | 2560     | 1.9      | <2       | 2.50     | <0.5     | 12       | 34       | 17       | 2.92     | 20       |
| W935473            |         | 1.16      | <0.01   | <0.5     | 7.41     | <5       | 2820     | 2.1      | <2       | 2.65     | <0.5     | 13       | 38       | 104      | 2.91     | 20       |
| W935474            |         | 1.62      | <0.01   | <0.5     | 6.99     | <5       | 1940     | 2.6      | <2       | 3.40     | <0.5     | 21       | 124      | 62       | 4.19     | 20       |
| W935475            |         | 1.27      | <0.01   | <0.5     | 7.21     | <5       | 2510     | 2.5      | 2        | 3.84     | <0.5     | 18       | 102      | 60       | 3.79     | 20       |
| W935476            |         | 1.34      | <0.01   | <0.5     | 7.49     | <5       | 3310     | 2.2      | <2       | 3.33     | <0.5     | 13       | 32       | 56       | 2.92     | 20       |
| W935477            |         | 2.38      | <0.01   | <0.5     | 8.06     | <5       | 2720     | 2.1      | <2       | 2.54     | <0.5     | 14       | 37       | 32       | 3.23     | 20       |
| W935478            |         | 2.60      | <0.01   | <0.5     | 7.38     | <5       | 2540     | 2.2      | <2       | 2.32     | <0.5     | 12       | 32       | 31       | 3.05     | 20       |
| W935479            |         | 0.84      | <0.01   | <0.5     | 7.11     | <5       | 2890     | 2.3      | <2       | 2.89     | <0.5     | 13       | 27       | 41       | 2.95     | 20       |
| W935480            |         | 0.05      | 0.50    |          |          |          |          |          |          |          |          |          |          |          |          |          |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064375**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| W935441            |                          | 2.54     | 50       | 1.51     | 677      | 5        | 3.72     | 26       | 1230     | 43       | 0.21     | <5       | 9        | 1340     | <20      | 0.24 |
| W935442            |                          | 2.69     | 50       | 1.37     | 659      | <1       | 3.87     | 16       | 1260     | 22       | 0.10     | <5       | 9        | 1570     | <20      | 0.24 |
| W935443            |                          | 2.73     | 50       | 1.39     | 651      | <1       | 3.82     | 18       | 1250     | 22       | 0.05     | <5       | 9        | 1460     | <20      | 0.24 |
| W935444            |                          | 2.62     | 50       | 1.45     | 583      | <1       | 3.66     | 15       | 1260     | 19       | 0.13     | <5       | 9        | 998      | <20      | 0.24 |
| W935445            |                          | 2.59     | 40       | 1.46     | 635      | <1       | 3.60     | 17       | 1260     | 25       | 0.36     | <5       | 9        | 999      | <20      | 0.24 |
| W935446            |                          | 2.65     | 50       | 1.39     | 649      | <1       | 3.65     | 17       | 1180     | 20       | 0.17     | <5       | 9        | 1340     | <20      | 0.24 |
| W935447            |                          | 2.47     | 50       | 1.32     | 625      | <1       | 3.70     | 16       | 1190     | 29       | 0.19     | <5       | 9        | 1345     | <20      | 0.22 |
| W935448            |                          | 2.72     | 60       | 1.50     | 709      | <1       | 3.91     | 17       | 1330     | 24       | 0.07     | <5       | 10       | 1540     | <20      | 0.25 |
| W935449            |                          | 2.12     | 50       | 1.83     | 750      | 73       | 3.58     | 26       | 1240     | 44       | 0.31     | <5       | 10       | 1015     | <20      | 0.27 |
| W935450            |                          | 0.07     | 10       | 0.03     | 25       | <1       | 0.02     | 4        | 40       | <2       | <0.01    | <5       | 1        | 37       | <20      | 0.03 |
| W935451            |                          | 1.98     | 40       | 1.09     | 485      | <1       | 4.22     | 17       | 1100     | 10       | 0.81     | <5       | 8        | 927      | <20      | 0.19 |
| W935452            |                          | 2.59     | 40       | 1.10     | 446      | <1       | 3.31     | 14       | 1060     | 17       | 0.16     | <5       | 7        | 870      | <20      | 0.19 |
| W935453            |                          | 2.27     | 40       | 1.19     | 566      | <1       | 3.57     | 17       | 1100     | 17       | 0.29     | <5       | 8        | 1100     | <20      | 0.19 |
| W935454            |                          | 2.52     | 40       | 1.20     | 518      | 1        | 3.58     | 16       | 1100     | 37       | 0.07     | <5       | 8        | 1040     | <20      | 0.20 |
| W935455            |                          | 2.51     | 40       | 0.88     | 591      | 1        | 3.80     | 17       | 1080     | 24       | 0.42     | <5       | 8        | 872      | <20      | 0.18 |
| W935456            |                          | 2.48     | 30       | 0.89     | 479      | 34       | 3.33     | 12       | 970      | 23       | 0.54     | <5       | 7        | 853      | <20      | 0.17 |
| W935457            |                          | 2.92     | 30       | 1.10     | 538      | <1       | 3.35     | 19       | 1110     | 25       | 0.19     | <5       | 8        | 771      | <20      | 0.20 |
| W935458            |                          | 2.72     | 40       | 0.84     | 594      | 1        | 3.80     | 17       | 1130     | 12       | 0.80     | <5       | 8        | 698      | <20      | 0.17 |
| W935459            |                          | 1.60     | 40       | 3.38     | 962      | 1        | 2.50     | 78       | 1650     | 20       | 0.24     | <5       | 18       | 514      | <20      | 0.33 |
| W935460            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935461            |                          | 0.48     | 40       | 3.88     | 762      | 1        | 2.78     | 87       | 1630     | 14       | 0.77     | <5       | 18       | 5530     | 20       | 0.32 |
| W935462            |                          | 1.88     | 40       | 4.01     | 974      | 1        | 2.32     | 87       | 1690     | 22       | 0.07     | <5       | 19       | 599      | <20      | 0.38 |
| W935463            |                          | 2.55     | 40       | 3.85     | 1035     | <1       | 2.04     | 84       | 1640     | 20       | 0.13     | <5       | 19       | 600      | <20      | 0.36 |
| W935464            |                          | 3.05     | 40       | 1.12     | 598      | 1        | 2.52     | 20       | 1140     | 26       | 0.57     | <5       | 9        | 532      | <20      | 0.19 |
| W935465            |                          | 2.99     | 40       | 1.72     | 621      | <1       | 2.98     | 25       | 1360     | 22       | 0.32     | <5       | 11       | 628      | <20      | 0.23 |
| W935466            |                          | 2.95     | 40       | 1.76     | 632      | <1       | 3.00     | 25       | 1360     | 23       | 0.30     | <5       | 11       | 648      | <20      | 0.23 |
| W935467            |                          | 2.94     | 40       | 1.95     | 628      | <1       | 3.27     | 26       | 1430     | 27       | 0.10     | <5       | 12       | 889      | <20      | 0.27 |
| W935468            |                          | 2.69     | 40       | 1.96     | 651      | <1       | 3.23     | 27       | 1380     | 27       | 0.08     | <5       | 12       | 794      | <20      | 0.25 |
| W935469            |                          | 2.72     | 40       | 1.51     | 613      | 1        | 3.60     | 21       | 1340     | 21       | 0.13     | <5       | 9        | 974      | <20      | 0.26 |
| W935470            |                          | 0.05     | 20       | 0.01     | 23       | <1       | 0.01     | 2        | 50       | <2       | <0.01    | <5       | 1        | 22       | <20      | 0.04 |
| W935471            |                          | 2.92     | 50       | 1.41     | 531      | <1       | 3.63     | 18       | 1240     | 17       | 0.32     | <5       | 9        | 938      | <20      | 0.23 |
| W935472            |                          | 2.74     | 40       | 1.37     | 584      | <1       | 3.55     | 15       | 1170     | 15       | 0.23     | <5       | 8        | 871      | <20      | 0.22 |
| W935473            |                          | 2.76     | 40       | 1.35     | 593      | 3        | 3.66     | 16       | 1200     | 17       | 0.37     | <5       | 9        | 820      | <20      | 0.22 |
| W935474            |                          | 2.19     | 50       | 2.76     | 866      | <1       | 3.04     | 38       | 1590     | 21       | 0.17     | <5       | 15       | 654      | <20      | 0.31 |
| W935475            |                          | 1.60     | 50       | 2.71     | 927      | <1       | 3.32     | 36       | 1480     | 14       | 0.35     | <5       | 13       | 756      | <20      | 0.29 |
| W935476            |                          | 2.90     | 40       | 1.44     | 728      | <1       | 3.48     | 17       | 1200     | 17       | 0.64     | <5       | 9        | 825      | <20      | 0.22 |
| W935477            |                          | 3.12     | 50       | 1.54     | 636      | <1       | 3.70     | 18       | 1300     | 15       | 0.43     | <5       | 9        | 963      | <20      | 0.25 |
| W935478            |                          | 2.93     | 40       | 1.45     | 578      | 3        | 3.32     | 16       | 1170     | 19       | 0.75     | <5       | 8        | 843      | <20      | 0.21 |
| W935479            |                          | 3.23     | 40       | 1.50     | 686      | <1       | 3.13     | 15       | 1130     | 14       | 0.88     | <5       | 8        | 712      | <20      | 0.19 |
| W935480            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064375**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W935441            |                                   | <10      | <10      | 85       | <10      | 71       |
| W935442            |                                   | <10      | <10      | 84       | <10      | 65       |
| W935443            |                                   | <10      | <10      | 82       | <10      | 67       |
| W935444            |                                   | <10      | <10      | 82       | <10      | 65       |
| W935445            |                                   | <10      | <10      | 84       | <10      | 69       |
| W935446            |                                   | <10      | <10      | 80       | <10      | 67       |
| W935447            |                                   | <10      | <10      | 79       | <10      | 63       |
| W935448            |                                   | <10      | <10      | 85       | <10      | 70       |
| W935449            |                                   | <10      | <10      | 104      | <10      | 93       |
| W935450            |                                   | <10      | <10      | 5        | <10      | 5        |
| W935451            |                                   | <10      | <10      | 78       | <10      | 49       |
| W935452            |                                   | <10      | <10      | 72       | <10      | 48       |
| W935453            |                                   | <10      | <10      | 77       | <10      | 52       |
| W935454            |                                   | <10      | <10      | 73       | <10      | 63       |
| W935455            |                                   | <10      | <10      | 72       | <10      | 52       |
| W935456            |                                   | <10      | <10      | 70       | <10      | 51       |
| W935457            |                                   | <10      | <10      | 82       | <10      | 58       |
| W935458            |                                   | <10      | <10      | 65       | <10      | 38       |
| W935459            |                                   | <10      | <10      | 156      | <10      | 111      |
| W935460            |                                   |          |          |          |          |          |
| W935461            |                                   | <10      | <10      | 200      | <10      | 117      |
| W935462            |                                   | <10      | <10      | 165      | <10      | 116      |
| W935463            |                                   | <10      | <10      | 158      | <10      | 111      |
| W935464            |                                   | <10      | <10      | 75       | <10      | 50       |
| W935465            |                                   | <10      | <10      | 91       | <10      | 66       |
| W935466            |                                   | <10      | <10      | 92       | <10      | 67       |
| W935467            |                                   | <10      | <10      | 94       | <10      | 67       |
| W935468            |                                   | <10      | <10      | 91       | <10      | 66       |
| W935469            |                                   | <10      | <10      | 90       | <10      | 62       |
| W935470            |                                   | <10      | <10      | 5        | <10      | 3        |
| W935471            |                                   | <10      | <10      | 87       | <10      | 55       |
| W935472            |                                   | <10      | <10      | 82       | <10      | 57       |
| W935473            |                                   | <10      | <10      | 83       | <10      | 58       |
| W935474            |                                   | <10      | <10      | 126      | <10      | 89       |
| W935475            |                                   | <10      | <10      | 123      | <10      | 88       |
| W935476            |                                   | <10      | <10      | 84       | <10      | 58       |
| W935477            |                                   | <10      | <10      | 89       | <10      | 64       |
| W935478            |                                   | <10      | <10      | 80       | <10      | 59       |
| W935479            |                                   | <10      | <10      | 75       | <10      | 62       |
| W935480            |                                   |          |          |          |          |          |





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Plus Appendix Pages  
 Finalized Date: 13-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064375**

| Sample Description | Method Analyte Units LOD | WEI-21       | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|--------------------|--------------------------|--------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Recvd Wt. kg | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm |
|                    |                          | 0.02         | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 0.01     | 10       |        |
| W935481            |                          | 2.09         | <0.01   | <0.5     | 7.43     | <5       | 3050     | 2.6      | <2       | 2.49     | <0.5     | 13       | 30       | 93       | 3.00     | 20     |
| W935482            |                          | 1.61         | <0.01   | <0.5     | 7.66     | <5       | 2690     | 2.2      | <2       | 2.28     | <0.5     | 12       | 32       | 115      | 3.03     | 20     |
| W935483            |                          | 0.66         | <0.01   | <0.5     | 6.89     | <5       | 2460     | 1.9      | <2       | 2.01     | <0.5     | 10       | 26       | 99       | 2.63     | 20     |
| W935484            |                          | 1.02         | <0.01   | <0.5     | 7.60     | <5       | 2700     | 2.1      | <2       | 1.86     | <0.5     | 10       | 40       | 86       | 2.60     | 20     |
| W935485            |                          | 1.78         | <0.01   | <0.5     | 7.15     | <5       | 2330     | 1.9      | <2       | 1.90     | <0.5     | 11       | 39       | 119      | 2.65     | 20     |
| W935486            |                          | 2.38         | <0.01   | 0.7      | 7.13     | <5       | 2570     | 1.9      | 3        | 2.18     | <0.5     | 11       | 30       | 93       | 2.65     | 20     |
| W935487            |                          | 1.04         | <0.01   | <0.5     | 7.72     | <5       | 2560     | 2.1      | <2       | 2.03     | <0.5     | 11       | 28       | 31       | 2.84     | 20     |
| W935488            |                          | 3.59         | 0.02    | <0.5     | 7.56     | <5       | 2670     | 1.9      | <2       | 2.46     | <0.5     | 11       | 29       | 29       | 2.87     | 20     |
| W935489            |                          | 1.97         | <0.01   | <0.5     | 7.60     | <5       | 2280     | 2.1      | <2       | 3.15     | <0.5     | 11       | 46       | 25       | 2.87     | 20     |
| W935490            |                          | 0.39         | <0.01   | <0.5     | 0.71     | <5       | 10       | <0.5     | <2       | 0.02     | <0.5     | 1        | 10       | 1        | 0.50     | <10    |
| W935491            |                          | 0.68         | 0.13    | <0.5     | 6.54     | <5       | 3150     | 2.0      | 4        | 4.42     | <0.5     | 9        | 27       | 34       | 2.65     | 20     |
| W935492            |                          | 1.72         | 0.18    | <0.5     | 5.69     | <5       | 1890     | 1.6      | <2       | 3.90     | <0.5     | 7        | 25       | 20       | 1.93     | 10     |
| W935493            |                          | 0.80         | 0.09    | <0.5     | 7.16     | <5       | 2170     | 2.1      | <2       | 3.85     | <0.5     | 10       | 29       | 29       | 2.87     | 20     |
| W935494            |                          | 1.39         | 0.14    | <0.5     | 6.97     | <5       | 2290     | 2.1      | <2       | 3.99     | <0.5     | 12       | 26       | 49       | 2.50     | 20     |
| W935495            |                          | 1.93         | 0.12    | <0.5     | 6.36     | <5       | 2370     | 2.2      | <2       | 3.34     | <0.5     | 11       | 26       | 44       | 2.38     | 20     |
| W935496            |                          | 2.13         | 0.06    | <0.5     | 6.76     | <5       | 2740     | 2.2      | 2        | 3.76     | <0.5     | 11       | 27       | 30       | 2.52     | 20     |
| W935497            |                          | 1.60         | 0.08    | <0.5     | 6.37     | <5       | 1520     | 2.0      | <2       | 4.99     | <0.5     | 9        | 29       | 25       | 2.93     | 20     |
| W935498            |                          | 1.97         | 0.06    | <0.5     | 5.26     | <5       | 2240     | 1.6      | <2       | 4.07     | <0.5     | 8        | 23       | 36       | 1.71     | 10     |
| W935499            |                          | 2.72         | 0.05    | <0.5     | 6.81     | <5       | 2180     | 2.2      | <2       | 3.74     | <0.5     | 11       | 28       | 44       | 2.69     | 20     |
| W935500            |                          | 0.06         | 3.04    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W935501            |                          | 1.24         | <0.01   | <0.5     | 7.62     | <5       | 2530     | 2.1      | <2       | 2.95     | <0.5     | 14       | 59       | 229      | 3.31     | 20     |
| W935502            |                          | 2.51         | <0.01   | <0.5     | 7.69     | <5       | 2260     | 2.2      | <2       | 3.30     | <0.5     | 16       | 93       | 77       | 3.57     | 20     |
| W935503            |                          | 3.25         | <0.01   | <0.5     | 7.64     | <5       | 2160     | 2.3      | <2       | 3.26     | <0.5     | 17       | 90       | 81       | 3.58     | 20     |
| W935504            |                          | 2.26         | <0.01   | <0.5     | 7.85     | <5       | 2200     | 2.3      | <2       | 3.23     | <0.5     | 14       | 97       | 105      | 3.46     | 20     |
| W935505            |                          | 1.86         | <0.01   | <0.5     | 7.47     | <5       | 2150     | 2.2      | <2       | 3.12     | <0.5     | 15       | 95       | 122      | 3.40     | 20     |
| W935506            |                          | 2.76         | <0.01   | <0.5     | 7.30     | <5       | 2180     | 2.1      | <2       | 3.24     | <0.5     | 15       | 100      | 183      | 3.41     | 20     |
| W935507            |                          | 2.36         | <0.01   | <0.5     | 7.33     | <5       | 2360     | 2.1      | <2       | 3.01     | <0.5     | 16       | 83       | 199      | 3.25     | 20     |
| W935508            |                          | 1.86         | <0.01   | 0.7      | 7.59     | <5       | 2570     | 2.4      | <2       | 3.22     | <0.5     | 14       | 54       | 799      | 3.41     | 20     |
| W935509            |                          | 2.01         | <0.01   | <0.5     | 7.32     | <5       | 2520     | 2.2      | <2       | 3.12     | <0.5     | 16       | 46       | 257      | 3.92     | 20     |
| W935510            |                          | 0.46         | <0.01   | <0.5     | 1.23     | <5       | 20       | <0.5     | 2        | 0.02     | <0.5     | 2        | 12       | 2        | 0.69     | <10    |
| W935511            |                          | 1.81         | <0.01   | <0.5     | 7.63     | <5       | 2370     | 2.3      | <2       | 2.94     | <0.5     | 16       | 45       | 32       | 3.75     | 20     |
| W935512            |                          | 2.80         | <0.01   | <0.5     | 7.44     | <5       | 2540     | 2.0      | <2       | 2.79     | <0.5     | 13       | 37       | 108      | 3.17     | 20     |
| W935513            |                          | 1.78         | 0.11    | <0.5     | 7.81     | <5       | 2300     | 2.2      | <2       | 2.67     | <0.5     | 13       | 38       | 70       | 3.40     | 20     |
| W935514            |                          | 1.60         | 0.03    | 0.5      | 7.68     | <5       | 2490     | 2.0      | <2       | 2.57     | <0.5     | 12       | 34       | 80       | 3.15     | 20     |
| W935515            |                          | 3.41         | <0.01   | <0.5     | 8.20     | <5       | 2810     | 2.0      | <2       | 2.61     | <0.5     | 12       | 34       | 62       | 3.06     | 20     |
| W935516            |                          | 3.36         | <0.01   | <0.5     | 7.99     | <5       | 2900     | 2.0      | <2       | 2.44     | <0.5     | 12       | 33       | 78       | 3.01     | 20     |
| W935517            |                          | 1.25         | 0.17    | <0.5     | 7.50     | <5       | 2250     | 2.0      | <2       | 3.32     | <0.5     | 10       | 32       | 97       | 2.76     | 20     |
| W935518            |                          | 1.58         | 0.01    | <0.5     | 7.63     | <5       | 2860     | 2.0      | <2       | 2.67     | <0.5     | 11       | 30       | 63       | 2.78     | 20     |
| W935519            |                          | 1.08         | <0.01   | <0.5     | 8.10     | <5       | 2650     | 2.1      | <2       | 2.41     | <0.5     | 11       | 33       | 72       | 2.90     | 20     |
| W935520            |                          | 0.07         | 0.51    |          |          |          |          |          |          |          |          |          |          |          |          |        |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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**CERTIFICATE OF ANALYSIS TM20064375**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| W935481            |                          | 3.25     | 40       | 1.51     | 616      | 8        | 3.24     | 13       | 1180     | 10       | 0.88     | <5       | 8        | 738      | <20      | 0.19 |
| W935482            |                          | 3.31     | 40       | 1.43     | 574      | 1        | 3.38     | 16       | 1210     | 16       | 0.63     | <5       | 8        | 798      | <20      | 0.21 |
| W935483            |                          | 3.15     | 40       | 1.21     | 514      | <1       | 2.88     | 15       | 1030     | 16       | 0.62     | <5       | 8        | 717      | <20      | 0.18 |
| W935484            |                          | 3.09     | 40       | 1.28     | 433      | 30       | 3.53     | 18       | 1200     | 19       | 0.83     | <5       | 7        | 760      | <20      | 0.18 |
| W935485            |                          | 2.99     | 40       | 1.21     | 454      | 1        | 3.15     | 21       | 1110     | 18       | 0.63     | <5       | 8        | 791      | <20      | 0.20 |
| W935486            |                          | 3.38     | 40       | 1.21     | 551      | 1        | 2.86     | 17       | 1020     | 21       | 0.84     | 5        | 8        | 726      | <20      | 0.18 |
| W935487            |                          | 3.09     | 50       | 1.24     | 502      | <1       | 3.46     | 15       | 1150     | 18       | 0.24     | <5       | 8        | 1110     | <20      | 0.22 |
| W935488            |                          | 2.97     | 40       | 1.18     | 517      | 1        | 3.38     | 16       | 1170     | 20       | 0.29     | <5       | 8        | 1010     | <20      | 0.22 |
| W935489            |                          | 2.98     | 40       | 1.04     | 542      | <1       | 3.56     | 29       | 1210     | 21       | 0.18     | <5       | 9        | 772      | <20      | 0.22 |
| W935490            |                          | 0.03     | 10       | 0.01     | 22       | <1       | 0.01     | <1       | 40       | <2       | <0.01    | <5       | <1       | 14       | <20      | 0.02 |
| W935491            |                          | 2.18     | 30       | 0.57     | 646      | 1        | 3.71     | 13       | 1240     | 4        | 0.57     | <5       | 7        | 453      | <20      | 0.20 |
| W935492            |                          | 2.18     | 40       | 0.44     | 500      | 1        | 2.75     | 9        | 980      | 4        | 0.71     | <5       | 7        | 335      | <20      | 0.17 |
| W935493            |                          | 3.40     | 40       | 0.52     | 503      | 1        | 3.79     | 17       | 1260     | 9        | 0.98     | <5       | 7        | 431      | <20      | 0.23 |
| W935494            |                          | 3.47     | 30       | 0.56     | 542      | <1       | 3.65     | 13       | 1150     | 10       | 0.67     | <5       | 7        | 482      | <20      | 0.22 |
| W935495            |                          | 3.32     | 30       | 0.82     | 642      | <1       | 3.14     | 11       | 1100     | 8        | 0.50     | <5       | 7        | 464      | <20      | 0.21 |
| W935496            |                          | 3.62     | 40       | 0.67     | 611      | 1        | 3.37     | 11       | 1170     | 10       | 0.54     | <5       | 7        | 523      | <20      | 0.21 |
| W935497            |                          | 2.89     | 40       | 0.60     | 634      | 46       | 2.99     | 15       | 1060     | 8        | 0.87     | <5       | 7        | 426      | <20      | 0.17 |
| W935498            |                          | 2.08     | 40       | 0.71     | 642      | 1        | 2.52     | 10       | 770      | 7        | 0.60     | <5       | 7        | 331      | <20      | 0.15 |
| W935499            |                          | 3.09     | 40       | 0.68     | 578      | 3        | 3.91     | 12       | 1190     | 8        | 0.76     | <5       | 7        | 660      | <20      | 0.23 |
| W935500            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935501            |                          | 2.85     | 40       | 1.71     | 734      | 11       | 3.81     | 19       | 1370     | 28       | 0.11     | <5       | 10       | 1410     | <20      | 0.25 |
| W935502            |                          | 3.20     | 50       | 2.05     | 785      | 2        | 3.63     | 26       | 1490     | 35       | 0.08     | <5       | 12       | 1375     | <20      | 0.28 |
| W935503            |                          | 3.13     | 40       | 2.08     | 798      | <1       | 3.57     | 28       | 1390     | 30       | 0.09     | <5       | 13       | 1280     | <20      | 0.28 |
| W935504            |                          | 3.35     | 50       | 2.07     | 780      | 1        | 3.57     | 26       | 1480     | 30       | 0.07     | <5       | 12       | 1240     | <20      | 0.27 |
| W935505            |                          | 3.25     | 40       | 2.03     | 766      | 1        | 3.45     | 26       | 1430     | 29       | 0.07     | <5       | 12       | 1220     | <20      | 0.26 |
| W935506            |                          | 3.11     | 40       | 2.07     | 765      | 1        | 3.39     | 28       | 1430     | 27       | 0.14     | <5       | 11       | 1230     | <20      | 0.26 |
| W935507            |                          | 3.06     | 40       | 1.88     | 745      | 1        | 3.57     | 24       | 1370     | 52       | 0.24     | <5       | 11       | 1000     | <20      | 0.26 |
| W935508            |                          | 2.79     | 50       | 1.77     | 793      | 1        | 3.86     | 23       | 1380     | 25       | 0.27     | <5       | 10       | 1310     | <20      | 0.27 |
| W935509            |                          | 2.46     | 50       | 1.93     | 854      | 2        | 3.72     | 24       | 1570     | 28       | 0.29     | <5       | 11       | 1040     | <20      | 0.31 |
| W935510            |                          | 0.05     | 10       | 0.01     | 25       | <1       | 0.02     | <1       | 70       | <2       | <0.01    | <5       | 1        | 25       | <20      | 0.03 |
| W935511            |                          | 2.47     | 50       | 1.81     | 817      | <1       | 3.93     | 21       | 1490     | 25       | 0.09     | <5       | 11       | 1330     | <20      | 0.29 |
| W935512            |                          | 2.22     | 40       | 1.69     | 685      | 3        | 3.95     | 17       | 1330     | 154      | 0.40     | <5       | 9        | 988      | <20      | 0.25 |
| W935513            |                          | 2.49     | 50       | 1.65     | 711      | 1        | 4.00     | 18       | 1400     | 18       | 0.17     | <5       | 10       | 1140     | <20      | 0.27 |
| W935514            |                          | 2.47     | 50       | 1.47     | 652      | <1       | 3.78     | 16       | 1220     | 65       | 0.48     | <5       | 9        | 1030     | <20      | 0.23 |
| W935515            |                          | 2.86     | 50       | 1.45     | 688      | <1       | 4.02     | 16       | 1250     | 24       | 0.08     | <5       | 9        | 1950     | 20       | 0.24 |
| W935516            |                          | 2.87     | 50       | 1.46     | 630      | <1       | 3.85     | 14       | 1220     | 26       | 0.12     | <5       | 9        | 1850     | 20       | 0.23 |
| W935517            |                          | 2.00     | 40       | 1.38     | 647      | <1       | 4.03     | 15       | 1180     | 29       | 0.41     | <5       | 8        | 586      | <20      | 0.22 |
| W935518            |                          | 3.12     | 40       | 1.41     | 572      | 18       | 3.64     | 14       | 1190     | 29       | 0.55     | 5        | 8        | 987      | <20      | 0.21 |
| W935519            |                          | 2.93     | 40       | 1.40     | 609      | <1       | 3.96     | 16       | 1210     | 30       | 0.19     | <5       | 9        | 1175     | <20      | 0.23 |
| W935520            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064375**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W935481            |                                   | <10      | <10      | 77       | <10      | 63       |
| W935482            |                                   | <10      | <10      | 82       | <10      | 61       |
| W935483            |                                   | <10      | <10      | 71       | <10      | 52       |
| W935484            |                                   | <10      | <10      | 81       | <10      | 53       |
| W935485            |                                   | <10      | <10      | 75       | <10      | 53       |
| W935486            |                                   | <10      | <10      | 70       | <10      | 53       |
| W935487            |                                   | <10      | <10      | 85       | <10      | 54       |
| W935488            |                                   | <10      | <10      | 85       | <10      | 54       |
| W935489            |                                   | <10      | <10      | 86       | <10      | 55       |
| W935490            |                                   | <10      | <10      | 3        | <10      | 2        |
| W935491            |                                   | <10      | <10      | 77       | 10       | 38       |
| W935492            |                                   | <10      | <10      | 62       | 10       | 25       |
| W935493            |                                   | <10      | <10      | 82       | <10      | 33       |
| W935494            |                                   | 10       | <10      | 76       | 10       | 37       |
| W935495            |                                   | <10      | <10      | 74       | <10      | 34       |
| W935496            |                                   | <10      | <10      | 74       | <10      | 36       |
| W935497            |                                   | <10      | <10      | 76       | <10      | 41       |
| W935498            |                                   | <10      | <10      | 68       | <10      | 37       |
| W935499            |                                   | <10      | <10      | 79       | <10      | 36       |
| W935500            |                                   |          |          |          |          |          |
| W935501            |                                   | <10      | <10      | 91       | <10      | 78       |
| W935502            |                                   | <10      | <10      | 98       | <10      | 78       |
| W935503            |                                   | <10      | <10      | 101      | <10      | 78       |
| W935504            |                                   | 10       | <10      | 95       | <10      | 76       |
| W935505            |                                   | <10      | <10      | 95       | <10      | 77       |
| W935506            |                                   | <10      | <10      | 94       | <10      | 81       |
| W935507            |                                   | <10      | <10      | 90       | <10      | 78       |
| W935508            |                                   | <10      | <10      | 90       | <10      | 88       |
| W935509            |                                   | 10       | <10      | 109      | <10      | 97       |
| W935510            |                                   | <10      | <10      | 5        | <10      | 2        |
| W935511            |                                   | <10      | <10      | 103      | <10      | 88       |
| W935512            |                                   | <10      | <10      | 88       | <10      | 82       |
| W935513            |                                   | <10      | <10      | 95       | <10      | 80       |
| W935514            |                                   | <10      | <10      | 84       | <10      | 72       |
| W935515            |                                   | 10       | <10      | 84       | <10      | 71       |
| W935516            |                                   | <10      | <10      | 82       | <10      | 67       |
| W935517            |                                   | <10      | <10      | 81       | 10       | 69       |
| W935518            |                                   | <10      | <10      | 79       | <10      | 63       |
| W935519            |                                   | <10      | <10      | 81       | <10      | 67       |
| W935520            |                                   |          |          |          |          |          |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Plus Appendix Pages  
 Finalized Date: 13-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064375**

| Sample Description | Method Analyte Units LOD | WEI-21       | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|--------------------|--------------------------|--------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Recvd Wt. kg | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm |
|                    |                          | 0.02         | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 0.01     | 10       |        |
| W935521            |                          | 1.62         | <0.01   | <0.5     | 7.88     | <5       | 2620     | 1.9      | <2       | 2.24     | <0.5     | 12       | 32       | 114      | 2.83     | 20     |
| W935522            |                          | 0.54         | <0.01   | <0.5     | 7.42     | <5       | 2280     | 1.9      | <2       | 1.63     | <0.5     | 10       | 30       | 146      | 2.60     | 20     |
| W935523            |                          | 0.70         | <0.01   | <0.5     | 7.65     | <5       | 2490     | 1.9      | <2       | 1.70     | <0.5     | 10       | 32       | 131      | 2.93     | 20     |
| W935524            |                          | 3.34         | <0.01   | <0.5     | 8.36     | <5       | 2740     | 2.1      | <2       | 2.37     | <0.5     | 11       | 33       | 102      | 2.98     | 20     |
| W935525            |                          | 1.46         | <0.01   | <0.5     | 7.92     | <5       | 2860     | 2.0      | <2       | 1.90     | <0.5     | 12       | 32       | 94       | 2.89     | 20     |
| W935526            |                          | 3.35         | <0.01   | <0.5     | 8.30     | <5       | 2650     | 2.1      | <2       | 2.09     | <0.5     | 11       | 33       | 76       | 2.88     | 20     |
| W935527            |                          | 0.73         | <0.01   | <0.5     | 7.00     | <5       | 2240     | 1.9      | <2       | 2.89     | <0.5     | 10       | 31       | 48       | 2.65     | 20     |
| W935528            |                          | 2.03         | 0.17    | <0.5     | 7.99     | <5       | 2340     | 2.4      | <2       | 2.09     | <0.5     | 13       | 32       | 137      | 3.11     | 20     |
| W935529            |                          | 0.89         | <0.01   | <0.5     | 7.63     | <5       | 2570     | 1.8      | <2       | 2.08     | <0.5     | 12       | 30       | 183      | 2.79     | 20     |
| W935530            |                          | 0.45         | <0.01   | <0.5     | 0.74     | <5       | 20       | <0.5     | <2       | 0.01     | <0.5     | <1       | 8        | 2        | 0.55     | <10    |
| W935531            |                          | 0.74         | <0.01   | <0.5     | 7.57     | <5       | 2640     | 1.8      | <2       | 1.94     | <0.5     | 11       | 30       | 300      | 2.76     | 20     |
| W935532            |                          | 1.28         | <0.01   | <0.5     | 7.62     | <5       | 2610     | 2.0      | <2       | 2.02     | <0.5     | 11       | 32       | 122      | 2.65     | 20     |
| W935533            |                          | 1.11         | <0.01   | <0.5     | 8.08     | <5       | 2660     | 2.0      | <2       | 2.03     | <0.5     | 11       | 31       | 107      | 2.68     | 20     |
| W935534            |                          | 1.12         | <0.01   | <0.5     | 7.76     | <5       | 2530     | 1.8      | <2       | 2.44     | <0.5     | 10       | 29       | 93       | 2.51     | 20     |
| W935535            |                          | 1.32         | <0.01   | <0.5     | 7.74     | <5       | 2400     | 1.8      | <2       | 2.13     | <0.5     | 10       | 36       | 37       | 2.63     | 20     |
| W935536            |                          | 2.06         | <0.01   | <0.5     | 7.43     | <5       | 2660     | 1.7      | <2       | 1.31     | <0.5     | 11       | 32       | 102      | 2.66     | 20     |
| W935537            |                          | 2.37         | <0.01   | <0.5     | 7.78     | <5       | 2440     | 2.0      | <2       | 2.22     | <0.5     | 10       | 30       | 72       | 2.70     | 20     |
| W935538            |                          | 0.92         | <0.01   | <0.5     | 7.38     | <5       | 2310     | 2.1      | <2       | 2.51     | <0.5     | 12       | 30       | 85       | 2.73     | 20     |
| W935539            |                          | 1.98         | <0.01   | <0.5     | 7.56     | <5       | 2340     | 1.9      | <2       | 3.01     | <0.5     | 12       | 30       | 36       | 2.76     | 20     |
| W935540            |                          | 0.05         | 0.51    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| W935541            |                          | 3.65         | <0.01   | <0.5     | 7.70     | <5       | 2560     | 2.0      | <2       | 2.44     | <0.5     | 12       | 32       | 48       | 2.72     | 20     |
| W935542            |                          | 1.32         | 0.10    | <0.5     | 6.79     | <5       | 2300     | 1.8      | <2       | 2.76     | <0.5     | 9        | 27       | 108      | 2.33     | 20     |
| W935543            |                          | 2.54         | <0.01   | <0.5     | 7.99     | <5       | 2590     | 2.1      | <2       | 2.52     | <0.5     | 12       | 33       | 47       | 2.85     | 20     |
| W935544            |                          | 1.02         | 0.20    | <0.5     | 7.23     | <5       | 730      | 1.9      | <2       | 2.93     | <0.5     | 12       | 28       | 61       | 2.41     | 20     |
| W935545            |                          | 1.31         | 0.04    | <0.5     | 7.37     | <5       | 1630     | 2.0      | 2        | 3.25     | <0.5     | 11       | 30       | 58       | 2.57     | 20     |
| W935546            |                          | 1.05         | <0.01   | <0.5     | 6.67     | <5       | 2010     | 1.8      | <2       | 2.34     | <0.5     | 10       | 27       | 127      | 2.46     | 20     |
| W935547            |                          | 1.55         | <0.01   | <0.5     | 7.45     | <5       | 1900     | 1.9      | 2        | 2.43     | <0.5     | 11       | 30       | 246      | 2.66     | 20     |
| W935548            |                          | 0.93         | <0.01   | <0.5     | 7.58     | <5       | 2530     | 1.9      | <2       | 2.14     | <0.5     | 12       | 31       | 280      | 2.70     | 20     |
| W935549            |                          | 0.87         | <0.01   | <0.5     | 8.03     | <5       | 2540     | 1.9      | <2       | 2.42     | <0.5     | 11       | 33       | 124      | 2.80     | 20     |
| W935550            |                          | 0.35         | <0.01   | <0.5     | 0.93     | <5       | 20       | <0.5     | <2       | 0.02     | <0.5     | 1        | 11       | 3        | 0.65     | <10    |
| B280001            |                          | 2.30         | <0.01   | <0.5     | 7.16     | <5       | 2580     | 2.1      | <2       | 3.24     | <0.5     | 12       | 28       | 74       | 2.78     | 20     |
| B280002            |                          | 0.95         | 0.01    | 1.6      | 7.13     | <5       | 2130     | 1.7      | 5        | 3.29     | <0.5     | 13       | 26       | 84       | 2.52     | 20     |
| B280003            |                          | 0.95         | <0.01   | <0.5     | 3.44     | <5       | 330      | 1.5      | 2        | 6.60     | 0.6      | 75       | 1210     | 22       | 5.91     | 20     |
| B280004            |                          | 0.88         | <0.01   | <0.5     | 3.80     | <5       | 480      | 2.0      | <2       | 6.90     | <0.5     | 57       | 918      | 97       | 5.31     | 20     |
| B280005            |                          | 1.34         | <0.01   | <0.5     | 7.38     | <5       | 1530     | 1.6      | <2       | 4.61     | <0.5     | 23       | 86       | 50       | 3.92     | 20     |
| B280006            |                          | 2.50         | <0.01   | 1.4      | 3.62     | <5       | 280      | 0.9      | 4        | 4.75     | <0.5     | 80       | 1200     | 44       | 6.49     | 10     |
| B280007            |                          | 2.83         | <0.01   | 42.9     | 3.01     | <5       | 40       | <0.5     | <2       | 3.35     | <0.5     | 95       | 1570     | 59       | 7.10     | 10     |
| B280008            |                          | 2.75         | <0.01   | <0.5     | 2.53     | <5       | 140      | <0.5     | <2       | 7.35     | 0.6      | 76       | 1130     | 65       | 5.84     | 10     |
| B280009            |                          | 2.93         | <0.01   | <0.5     | 2.85     | <5       | 30       | <0.5     | <2       | 3.79     | 0.5      | 90       | 1520     | 29       | 6.47     | 10     |
| B280010            |                          | 0.65         | <0.01   | <0.5     | 0.96     | <5       | 30       | <0.5     | <2       | 0.04     | <0.5     | 1        | 17       | 6        | 0.74     | <10    |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064375**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| W935521            |                          | 2.88     | 50       | 1.37     | 607      | 1        | 3.87     | 16       | 1160     | 22       | 0.23     | <5       | 8        | 1120     | <20      | 0.22 |
| W935522            |                          | 2.48     | 50       | 1.45     | 463      | 13       | 3.85     | 15       | 1110     | 19       | 0.36     | <5       | 8        | 3130     | 20       | 0.21 |
| W935523            |                          | 2.88     | 50       | 1.82     | 458      | 4        | 3.58     | 14       | 1150     | 60       | 0.26     | <5       | 8        | 1260     | <20      | 0.22 |
| W935524            |                          | 2.96     | 50       | 1.52     | 635      | 1        | 4.14     | 16       | 1250     | 27       | 0.08     | <5       | 9        | 1420     | <20      | 0.24 |
| W935525            |                          | 3.00     | 50       | 1.44     | 544      | 3        | 3.92     | 15       | 1150     | 55       | 0.75     | <5       | 8        | 5140     | 20       | 0.22 |
| W935526            |                          | 3.06     | 50       | 1.71     | 526      | <1       | 3.97     | 14       | 1250     | 21       | 0.11     | <5       | 9        | 1575     | <20      | 0.24 |
| W935527            |                          | 2.24     | 40       | 1.29     | 549      | <1       | 3.87     | 13       | 1060     | 31       | 0.89     | <5       | 7        | 4060     | 20       | 0.18 |
| W935528            |                          | 2.13     | 40       | 1.83     | 530      | 1        | 4.24     | 16       | 1160     | 44       | 0.46     | <5       | 8        | 661      | <20      | 0.21 |
| W935529            |                          | 2.76     | 40       | 1.44     | 505      | 1        | 3.52     | 17       | 1100     | 28       | 0.13     | <5       | 8        | 851      | <20      | 0.21 |
| W935530            |                          | 0.05     | 10       | 0.01     | 23       | <1       | 0.01     | 4        | 40       | <2       | <0.01    | <5       | 1        | 22       | <20      | 0.02 |
| W935531            |                          | 2.80     | 40       | 1.39     | 497      | <1       | 3.43     | 14       | 1080     | 66       | 0.31     | <5       | 8        | 870      | <20      | 0.21 |
| W935532            |                          | 2.80     | 40       | 1.42     | 467      | <1       | 3.56     | 15       | 1140     | 26       | 0.11     | <5       | 8        | 979      | <20      | 0.22 |
| W935533            |                          | 2.90     | 40       | 1.48     | 469      | <1       | 3.72     | 14       | 1180     | 31       | 0.12     | <5       | 9        | 993      | <20      | 0.23 |
| W935534            |                          | 2.77     | 40       | 1.32     | 499      | <1       | 3.57     | 13       | 1110     | 27       | 0.08     | <5       | 8        | 921      | <20      | 0.21 |
| W935535            |                          | 2.65     | 40       | 1.47     | 461      | <1       | 3.65     | 14       | 1130     | 9        | 0.11     | <5       | 8        | 811      | <20      | 0.22 |
| W935536            |                          | 2.78     | 30       | 1.71     | 391      | 10       | 3.55     | 16       | 1100     | 22       | 0.35     | <5       | 8        | 1115     | <20      | 0.21 |
| W935537            |                          | 2.60     | 40       | 1.51     | 507      | <1       | 3.75     | 15       | 1130     | 31       | 0.33     | <5       | 8        | 872      | <20      | 0.21 |
| W935538            |                          | 2.46     | 40       | 1.43     | 602      | 10       | 3.59     | 16       | 1090     | 34       | 0.67     | <5       | 8        | 1655     | <20      | 0.21 |
| W935539            |                          | 2.67     | 40       | 1.39     | 682      | <1       | 3.55     | 16       | 1100     | 21       | 0.37     | <5       | 8        | 1820     | <20      | 0.21 |
| W935540            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935541            |                          | 2.71     | 40       | 1.34     | 562      | 1        | 3.66     | 15       | 1150     | 25       | 0.37     | <5       | 8        | 1045     | <20      | 0.22 |
| W935542            |                          | 2.16     | 40       | 1.07     | 559      | 2        | 3.32     | 12       | 940      | 36       | 0.46     | <5       | 7        | 669      | <20      | 0.18 |
| W935543            |                          | 2.84     | 50       | 1.31     | 556      | <1       | 3.65     | 16       | 1170     | 26       | 0.19     | <5       | 9        | 982      | <20      | 0.22 |
| W935544            |                          | 1.53     | 40       | 0.79     | 443      | 1        | 4.38     | 15       | 1020     | 8        | 0.94     | <5       | 7        | 377      | <20      | 0.16 |
| W935545            |                          | 2.15     | 40       | 1.00     | 545      | <1       | 4.18     | 15       | 1100     | 11       | 0.57     | <5       | 8        | 1960     | <20      | 0.19 |
| W935546            |                          | 2.15     | 40       | 1.03     | 431      | 87       | 3.30     | 13       | 960      | 22       | 0.54     | <5       | 7        | 697      | <20      | 0.16 |
| W935547            |                          | 2.54     | 40       | 1.11     | 472      | 5        | 3.58     | 14       | 1090     | 23       | 0.59     | <5       | 8        | 1320     | <20      | 0.18 |
| W935548            |                          | 2.55     | 40       | 1.23     | 448      | 1        | 3.54     | 15       | 1110     | 23       | 0.58     | <5       | 8        | 861      | <20      | 0.19 |
| W935549            |                          | 2.77     | 40       | 1.33     | 504      | <1       | 3.72     | 15       | 1170     | 22       | 0.31     | <5       | 9        | 926      | <20      | 0.21 |
| W935550            |                          | 0.05     | 10       | 0.02     | 28       | <1       | 0.03     | <1       | 70       | <2       | <0.01    | <5       | 1        | 20       | <20      | 0.03 |
| B280001            |                          | 3.09     | 40       | 0.84     | 490      | <1       | 3.56     | 17       | 1190     | 9        | 0.40     | <5       | 8        | 786      | <20      | 0.19 |
| B280002            |                          | 1.00     | 40       | 1.14     | 538      | 27       | 4.65     | 34       | 1080     | 73       | 0.86     | <5       | 7        | 589      | <20      | 0.20 |
| B280003            |                          | 0.03     | 10       | 10.30    | 1345     | 13       | 0.01     | 1110     | 270      | 3        | 0.02     | 5        | 18       | 139      | <20      | 0.04 |
| B280004            |                          | 0.43     | 10       | 8.77     | 1415     | 2        | 0.37     | 839      | 340      | 4        | 0.16     | <5       | 17       | 212      | <20      | 0.05 |
| B280005            |                          | 1.84     | 50       | 2.65     | 798      | <1       | 4.46     | 63       | 1590     | 18       | 0.50     | <5       | 14       | 495      | <20      | 0.29 |
| B280006            |                          | 0.71     | 10       | 13.60    | 1260     | <1       | 0.25     | 1190     | 280      | 5        | 0.10     | <5       | 19       | 177      | <20      | 0.13 |
| B280007            |                          | 0.02     | <10      | 15.70    | 929      | <1       | 0.01     | 1460     | 80       | 6        | 0.14     | <5       | 20       | 120      | <20      | 0.03 |
| B280008            |                          | 0.02     | <10      | 13.65    | 1380     | 1        | 0.01     | 1050     | 80       | 3        | 0.25     | <5       | 15       | 235      | <20      | 0.04 |
| B280009            |                          | 0.03     | <10      | 15.50    | 967      | <1       | 0.01     | 1490     | 60       | 8        | 0.19     | <5       | 18       | 134      | <20      | 0.04 |
| B280010            |                          | 0.07     | 10       | 0.09     | 34       | <1       | 0.04     | 10       | 50       | 2        | 0.01     | <5       | 1        | 45       | <20      | 0.03 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064375**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| W935521            |                                   | <10      | <10      | 79       | <10      | 66       |
| W935522            |                                   | <10      | <10      | 76       | <10      | 62       |
| W935523            |                                   | 10       | <10      | 80       | <10      | 68       |
| W935524            |                                   | <10      | <10      | 81       | <10      | 68       |
| W935525            |                                   | <10      | <10      | 79       | <10      | 65       |
| W935526            |                                   | <10      | <10      | 83       | <10      | 64       |
| W935527            |                                   | <10      | <10      | 70       | <10      | 58       |
| W935528            |                                   | <10      | <10      | 94       | <10      | 82       |
| W935529            |                                   | <10      | <10      | 73       | <10      | 66       |
| W935530            |                                   | <10      | <10      | 5        | <10      | 2        |
| W935531            |                                   | <10      | <10      | 75       | <10      | 64       |
| W935532            |                                   | <10      | <10      | 75       | <10      | 55       |
| W935533            |                                   | <10      | <10      | 76       | <10      | 56       |
| W935534            |                                   | <10      | <10      | 72       | <10      | 50       |
| W935535            |                                   | <10      | <10      | 74       | <10      | 54       |
| W935536            |                                   | <10      | <10      | 73       | <10      | 64       |
| W935537            |                                   | <10      | <10      | 74       | <10      | 62       |
| W935538            |                                   | <10      | <10      | 76       | <10      | 64       |
| W935539            |                                   | <10      | <10      | 76       | <10      | 62       |
| W935540            |                                   |          |          |          |          |          |
| W935541            |                                   | <10      | <10      | 77       | <10      | 58       |
| W935542            |                                   | <10      | <10      | 62       | <10      | 53       |
| W935543            |                                   | <10      | <10      | 78       | <10      | 61       |
| W935544            |                                   | <10      | <10      | 82       | <10      | 40       |
| W935545            |                                   | <10      | <10      | 80       | <10      | 56       |
| W935546            |                                   | <10      | <10      | 69       | <10      | 50       |
| W935547            |                                   | <10      | <10      | 77       | <10      | 51       |
| W935548            |                                   | <10      | <10      | 86       | <10      | 57       |
| W935549            |                                   | <10      | <10      | 83       | <10      | 57       |
| W935550            |                                   | <10      | <10      | 5        | <10      | 2        |
| B280001            |                                   | <10      | <10      | 77       | <10      | 45       |
| B280002            |                                   | <10      | <10      | 63       | <10      | 36       |
| B280003            |                                   | <10      | <10      | 162      | <10      | 112      |
| B280004            |                                   | <10      | <10      | 131      | <10      | 106      |
| B280005            |                                   | <10      | <10      | 107      | <10      | 39       |
| B280006            |                                   | <10      | <10      | 127      | <10      | 68       |
| B280007            |                                   | <10      | <10      | 121      | 130      | 71       |
| B280008            |                                   | <10      | <10      | 101      | <10      | 52       |
| B280009            |                                   | <10      | <10      | 109      | <10      | 67       |
| B280010            |                                   | <10      | <10      | 6        | <10      | 4        |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064375**

| Sample Description | Method  | WEI-21    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |     |
|--------------------|---------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|
|                    | Analyte | Recvd Wt. | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga  |
|                    | Units   | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm |
|                    | LOD     | 0.02      | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10  |
| B280011            |         | 3.09      | 0.01    | <0.5     | 3.05     | <5       | 50       | <0.5     | 2        | 5.39     | <0.5     | 87       | 1460     | 54       | 6.57     | 10  |
| B280012            |         | 2.64      | <0.01   | <0.5     | 2.71     | <5       | 50       | <0.5     | <2       | 4.68     | 0.5      | 89       | 1430     | 49       | 6.36     | 10  |
| B280013            |         | 2.75      | <0.01   | <0.5     | 3.11     | <5       | 60       | <0.5     | 5        | 3.93     | <0.5     | 90       | 1650     | 28       | 7.07     | 10  |
| B280014            |         | 1.74      | <0.01   | <0.5     | 2.85     | <5       | 100      | <0.5     | 3        | 5.53     | 0.5      | 85       | 1400     | 59       | 6.79     | 10  |
| B280015            |         | 1.23      | <0.01   | <0.5     | 2.84     | <5       | 200      | <0.5     | <2       | 5.08     | 0.5      | 85       | 1470     | 57       | 6.74     | 10  |
| B280016            |         | 2.92      | <0.01   | <0.5     | 2.99     | <5       | 190      | <0.5     | <2       | 4.64     | <0.5     | 89       | 1500     | 64       | 6.64     | 10  |
| B280017            |         | 1.53      | <0.01   | <0.5     | 5.70     | <5       | 1660     | 1.9      | 3        | 4.83     | <0.5     | 44       | 397      | 70       | 5.40     | 20  |
| B280018            |         | 2.85      | <0.01   | <0.5     | 2.28     | <5       | 100      | <0.5     | <2       | 4.73     | 0.5      | 92       | 1275     | 34       | 5.90     | 10  |
| B280019            |         | 3.05      | <0.01   | <0.5     | 3.78     | <5       | 960      | 0.7      | 2        | 4.05     | <0.5     | 82       | 1115     | 66       | 6.16     | 10  |
| B280020            |         | 0.05      | 3.43    |          |          |          |          |          |          |          |          |          |          |          |          |     |
| B280021            |         | 0.84      | <0.01   | <0.5     | 2.87     | <5       | 620      | 1.0      | 3        | 5.14     | <0.5     | 74       | 1250     | 89       | 5.68     | 10  |
| B280022            |         | 1.35      | <0.01   | <0.5     | 2.19     | <5       | 30       | <0.5     | <2       | 4.31     | <0.5     | 81       | 1245     | 50       | 5.62     | 10  |
| B280023            |         | 3.04      | <0.01   | <0.5     | 2.83     | <5       | 140      | 1.0      | 3        | 4.19     | <0.5     | 84       | 1310     | 40       | 6.12     | 10  |
| B280024            |         | 1.35      | <0.01   | <0.5     | 6.83     | <5       | 2480     | 3.6      | 4        | 4.14     | <0.5     | 24       | 67       | 53       | 4.92     | 20  |
| B280025            |         | 0.67      | <0.01   | <0.5     | 6.65     | <5       | 2460     | 3.6      | <2       | 2.96     | <0.5     | 14       | 105      | 25       | 3.15     | 20  |
| B280026            |         | 0.93      | <0.01   | 0.5      | 6.88     | <5       | 2460     | 3.4      | 3        | 2.79     | <0.5     | 12       | 91       | 40       | 3.16     | 20  |
| B280027            |         | 0.93      | <0.01   | <0.5     | 7.18     | <5       | 3030     | 5.1      | <2       | 2.86     | <0.5     | 12       | 84       | 21       | 3.26     | 20  |
| B280028            |         | 0.85      | 0.01    | 0.9      | 7.37     | <5       | 2080     | 3.3      | 2        | 2.82     | <0.5     | 56       | 94       | 24       | 4.35     | 20  |
| B280029            |         | 1.31      | <0.01   | <0.5     | 2.74     | <5       | 40       | 1.9      | 3        | 7.06     | <0.5     | 59       | 1345     | 5        | 5.86     | 10  |
| B280030            |         | 0.62      | <0.01   | <0.5     | 0.88     | <5       | 20       | <0.5     | <2       | 0.03     | <0.5     | <1       | 19       | <1       | 0.72     | <10 |
| B280031            |         | 1.20      | 0.02    | 0.5      | 7.56     | <5       | 3100     | 7.1      | <2       | 2.41     | <0.5     | 15       | 44       | 80       | 2.86     | 20  |
| B280032            |         | 0.45      | 0.01    | <0.5     | 7.54     | <5       | 3180     | 2.8      | <2       | 3.71     | <0.5     | 22       | 105      | 94       | 3.75     | 20  |
| B280033            |         | 0.64      | <0.01   | <0.5     | 8.27     | <5       | 2640     | 3.0      | <2       | 3.52     | <0.5     | 18       | 58       | 97       | 3.82     | 20  |
| B280034            |         | 1.87      | 0.02    | <0.5     | 2.85     | <5       | 20       | 0.9      | 5        | 4.73     | <0.5     | 82       | 1385     | 58       | 6.14     | 10  |
| B280035            |         | 1.20      | <0.01   | <0.5     | 6.92     | <5       | 1890     | 4.3      | <2       | 3.59     | <0.5     | 19       | 60       | 25       | 4.44     | 20  |
| B280036            |         | 1.26      | <0.01   | <0.5     | 7.00     | <5       | 2030     | 4.0      | 2        | 3.62     | <0.5     | 20       | 48       | 63       | 4.57     | 20  |
| B280037            |         | 2.14      | <0.01   | <0.5     | 3.26     | <5       | 110      | 1.6      | <2       | 3.57     | <0.5     | 82       | 1490     | 49       | 6.63     | 10  |
| B280038            |         | 2.24      | <0.01   | <0.5     | 4.04     | <5       | 150      | 1.2      | 4        | 3.62     | <0.5     | 89       | 1750     | 65       | 7.86     | 10  |
| B280039            |         | 2.22      | <0.01   | <0.5     | 2.52     | <5       | 140      | 1.2      | <2       | 4.74     | <0.5     | 78       | 1220     | 39       | 5.93     | 10  |
| B280040            |         | 0.03      | 3.48    |          |          |          |          |          |          |          |          |          |          |          |          |     |
| B280041            |         | 0.82      | <0.01   | <0.5     | 7.46     | <5       | 2710     | 4.0      | 2        | 3.27     | <0.5     | 22       | 82       | 41       | 4.36     | 20  |
| B280042            |         | 1.39      | <0.01   | <0.5     | 7.15     | <5       | 2810     | 3.8      | 4        | 3.43     | <0.5     | 21       | 71       | 195      | 4.47     | 20  |
| B280043            |         | 1.38      | <0.01   | <0.5     | 7.51     | <5       | 2240     | 5.7      | <2       | 3.38     | <0.5     | 19       | 76       | 66       | 4.55     | 20  |
| B280044            |         | 0.81      | 0.01    | <0.5     | 7.58     | <5       | 1810     | 4.3      | 2        | 3.41     | <0.5     | 18       | 66       | 161      | 4.09     | 20  |
| B280045            |         | 1.10      | <0.01   | <0.5     | 7.32     | <5       | 2120     | 2.8      | <2       | 3.46     | <0.5     | 24       | 99       | 64       | 4.16     | 20  |
| B280046            |         | 1.20      | <0.01   | <0.5     | 4.07     | <5       | 370      | 1.8      | 2        | 4.87     | <0.5     | 45       | 611      | 31       | 4.97     | 10  |
| B280047            |         | 1.76      | <0.01   | <0.5     | 2.48     | <5       | 60       | 0.9      | <2       | 4.21     | <0.5     | 79       | 1325     | 27       | 5.67     | 10  |
| B280048            |         | 2.78      | 0.01    | <0.5     | 2.74     | <5       | 150      | 1.0      | <2       | 3.47     | <0.5     | 78       | 1335     | 36       | 6.01     | 10  |
| B280049            |         | 1.45      | <0.01   | <0.5     | 6.61     | <5       | 2000     | 3.5      | 3        | 4.58     | <0.5     | 23       | 45       | 49       | 4.95     | 20  |
| B280050            |         | 0.55      | <0.01   | <0.5     | 1.18     | <5       | 20       | <0.5     | <2       | 0.03     | <0.5     | <1       | 17       | 1        | 0.68     | <10 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| B280011            |                          | 0.03     | <10      | 14.60    | 1160     | 1        | 0.01     | 1340     | 70       | 9        | 0.28     | <5       | 19       | 197      | <20      | 0.04 |
| B280012            |                          | 0.03     | <10      | 14.50    | 1080     | <1       | 0.01     | 1400     | 70       | 6        | 0.20     | <5       | 18       | 157      | <20      | 0.04 |
| B280013            |                          | 0.02     | <10      | 15.20    | 936      | 1        | 0.01     | 1430     | 70       | 5        | 0.11     | 6        | 20       | 153      | <20      | 0.07 |
| B280014            |                          | 0.02     | <10      | 14.60    | 1135     | 1        | 0.01     | 1280     | 70       | 4        | 0.14     | 5        | 18       | 223      | <20      | 0.09 |
| B280015            |                          | 0.02     | <10      | 14.85    | 1120     | <1       | 0.01     | 1380     | 80       | 8        | 0.11     | 5        | 19       | 201      | <20      | 0.09 |
| B280016            |                          | 0.07     | <10      | 14.15    | 1170     | 1        | 0.10     | 1310     | 70       | 7        | 0.22     | <5       | 19       | 135      | <20      | 0.13 |
| B280017            |                          | 1.57     | 30       | 7.36     | 936      | 1        | 1.82     | 393      | 1280     | 5        | 0.38     | <5       | 16       | 662      | <20      | 0.30 |
| B280018            |                          | 0.01     | <10      | 15.90    | 1165     | 3        | 0.01     | 1570     | 50       | 9        | 0.18     | <5       | 15       | 186      | <20      | 0.03 |
| B280019            |                          | 0.68     | 10       | 14.45    | 1070     | 2        | 0.71     | 1370     | 420      | 12       | 0.35     | <5       | 17       | 387      | <20      | 0.10 |
| B280020            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| B280021            |                          | 0.25     | <10      | 12.60    | 1145     | 1        | 0.08     | 1300     | 90       | 3        | 0.19     | 5        | 15       | 420      | <20      | 0.10 |
| B280022            |                          | 0.02     | <10      | 14.80    | 1125     | 1        | 0.01     | 1395     | 60       | 3        | 0.07     | <5       | 15       | 135      | <20      | 0.06 |
| B280023            |                          | 0.57     | <10      | 14.65    | 1115     | 1        | 0.02     | 1370     | 90       | 5        | 0.05     | 5        | 18       | 156      | <20      | 0.08 |
| B280024            |                          | 2.32     | 60       | 2.82     | 961      | 1        | 3.74     | 41       | 2840     | 42       | 0.18     | <5       | 17       | 1020     | 20       | 0.30 |
| B280025            |                          | 3.08     | 40       | 1.86     | 746      | 1        | 3.52     | 71       | 1360     | 28       | 0.33     | <5       | 9        | 829      | <20      | 0.17 |
| B280026            |                          | 3.81     | 40       | 1.66     | 655      | 4        | 3.40     | 63       | 1460     | 29       | 0.44     | <5       | 8        | 862      | <20      | 0.21 |
| B280027            |                          | 4.69     | 40       | 1.85     | 712      | 1        | 3.15     | 66       | 1600     | 24       | 0.12     | <5       | 9        | 1035     | 20       | 0.21 |
| B280028            |                          | 1.95     | 50       | 2.64     | 596      | 1        | 4.15     | 146      | 1500     | 14       | 1.02     | <5       | 9        | 674      | 20       | 0.17 |
| B280029            |                          | 0.14     | <10      | 11.60    | 1425     | 4        | 0.01     | 1225     | 20       | 4        | 0.01     | 5        | 17       | 212      | <20      | 0.06 |
| B280030            |                          | 0.05     | 10       | 0.04     | 25       | <1       | 0.01     | 5        | 40       | <2       | <0.01    | <5       | 1        | 20       | <20      | 0.03 |
| B280031            |                          | 1.90     | 50       | 1.59     | 476      | 1        | 4.93     | 31       | 1110     | 20       | 0.78     | <5       | 8        | 858      | 20       | 0.15 |
| B280032            |                          | 1.58     | 50       | 2.56     | 738      | 1        | 4.76     | 72       | 1340     | 21       | 0.56     | <5       | 11       | 1095     | 20       | 0.18 |
| B280033            |                          | 1.60     | 60       | 2.32     | 726      | 1        | 5.19     | 46       | 1490     | 22       | 0.41     | <5       | 12       | 1050     | 20       | 0.20 |
| B280034            |                          | 0.13     | <10      | 14.25    | 1135     | <1       | 0.01     | 1300     | 60       | 2        | 0.05     | <5       | 17       | 143      | <20      | 0.06 |
| B280035            |                          | 3.47     | 50       | 2.28     | 905      | 1        | 3.44     | 44       | 2560     | 31       | 0.31     | <5       | 14       | 1025     | 20       | 0.26 |
| B280036            |                          | 3.15     | 50       | 2.19     | 955      | <1       | 3.73     | 30       | 2600     | 41       | 0.29     | <5       | 14       | 1055     | 20       | 0.27 |
| B280037            |                          | 1.47     | <10      | 13.65    | 963      | 1        | 0.01     | 1055     | 80       | 2        | 0.02     | <5       | 21       | 110      | <20      | 0.14 |
| B280038            |                          | 1.21     | <10      | 13.25    | 942      | 2        | 0.01     | 891      | 90       | 4        | 0.03     | <5       | 26       | 119      | <20      | 0.15 |
| B280039            |                          | 0.92     | <10      | 13.15    | 1210     | <1       | 0.01     | 1270     | 40       | 7        | 0.05     | <5       | 16       | 212      | <20      | 0.11 |
| B280040            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| B280041            |                          | 2.11     | 60       | 2.51     | 747      | 1        | 4.67     | 63       | 2150     | 59       | 0.53     | <5       | 12       | 3360     | 20       | 0.23 |
| B280042            |                          | 2.74     | 60       | 2.20     | 828      | 1        | 4.14     | 34       | 2290     | 57       | 1.22     | <5       | 12       | 6450     | 30       | 0.26 |
| B280043            |                          | 3.24     | 60       | 2.19     | 949      | 1        | 3.93     | 30       | 2340     | 49       | 0.25     | <5       | 13       | 1860     | 20       | 0.31 |
| B280044            |                          | 2.08     | 60       | 2.00     | 890      | <1       | 4.90     | 33       | 2150     | 39       | 0.70     | <5       | 12       | 1335     | 20       | 0.24 |
| B280045            |                          | 2.48     | 50       | 2.23     | 753      | <1       | 4.51     | 61       | 2050     | 53       | 1.14     | <5       | 11       | 1360     | 20       | 0.21 |
| B280046            |                          | 2.45     | 30       | 8.32     | 1075     | <1       | 1.40     | 577      | 890      | 13       | 0.08     | <5       | 13       | 414      | <20      | 0.16 |
| B280047            |                          | 1.25     | <10      | 13.90    | 1070     | 1        | 0.03     | 1350     | 50       | 7        | 0.05     | <5       | 16       | 133      | <20      | 0.11 |
| B280048            |                          | 1.17     | <10      | 13.25    | 1025     | <1       | 0.06     | 1215     | 70       | 4        | 0.02     | 5        | 17       | 172      | <20      | 0.11 |
| B280049            |                          | 3.99     | 50       | 2.58     | 962      | <1       | 2.78     | 36       | 2900     | 34       | 0.27     | <5       | 18       | 856      | <20      | 0.24 |
| B280050            |                          | 0.05     | 10       | 0.03     | 27       | <1       | 0.01     | 4        | 90       | 2        | <0.01    | <5       | 1        | 24       | <20      | 0.03 |





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
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**CERTIFICATE OF ANALYSIS TM20064375**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| B280011            |                                   | <10      | <10      | 114      | <10      | 60       |
| B280012            |                                   | <10      | <10      | 105      | <10      | 63       |
| B280013            |                                   | <10      | <10      | 121      | <10      | 62       |
| B280014            |                                   | <10      | <10      | 112      | <10      | 54       |
| B280015            |                                   | <10      | <10      | 111      | <10      | 54       |
| B280016            |                                   | <10      | <10      | 114      | <10      | 70       |
| B280017            |                                   | <10      | <10      | 128      | <10      | 66       |
| B280018            |                                   | <10      | <10      | 89       | <10      | 68       |
| B280019            |                                   | <10      | <10      | 123      | <10      | 65       |
| B280020            |                                   |          |          |          |          |          |
| B280021            |                                   | <10      | <10      | 128      | <10      | 64       |
| B280022            |                                   | <10      | 10       | 92       | <10      | 57       |
| B280023            |                                   | <10      | <10      | 105      | <10      | 67       |
| B280024            |                                   | <10      | <10      | 139      | <10      | 85       |
| B280025            |                                   | <10      | <10      | 84       | <10      | 56       |
| B280026            |                                   | <10      | <10      | 85       | <10      | 36       |
| B280027            |                                   | <10      | <10      | 91       | <10      | 33       |
| B280028            |                                   | <10      | <10      | 95       | <10      | 43       |
| B280029            |                                   | <10      | <10      | 118      | <10      | 127      |
| B280030            |                                   | <10      | <10      | 5        | <10      | 2        |
| B280031            |                                   | <10      | <10      | 72       | <10      | 25       |
| B280032            |                                   | <10      | <10      | 84       | <10      | 37       |
| B280033            |                                   | <10      | <10      | 92       | <10      | 34       |
| B280034            |                                   | <10      | <10      | 103      | <10      | 87       |
| B280035            |                                   | <10      | <10      | 134      | <10      | 46       |
| B280036            |                                   | <10      | <10      | 135      | <10      | 52       |
| B280037            |                                   | <10      | <10      | 139      | <10      | 85       |
| B280038            |                                   | <10      | <10      | 166      | <10      | 83       |
| B280039            |                                   | <10      | <10      | 99       | <10      | 73       |
| B280040            |                                   |          |          |          |          |          |
| B280041            |                                   | <10      | <10      | 126      | <10      | 47       |
| B280042            |                                   | <10      | <10      | 128      | <10      | 35       |
| B280043            |                                   | <10      | <10      | 141      | <10      | 60       |
| B280044            |                                   | <10      | <10      | 111      | <10      | 44       |
| B280045            |                                   | <10      | <10      | 105      | <10      | 31       |
| B280046            |                                   | <10      | <10      | 121      | <10      | 58       |
| B280047            |                                   | <10      | <10      | 103      | <10      | 62       |
| B280048            |                                   | <10      | <10      | 104      | <10      | 82       |
| B280049            |                                   | <10      | <10      | 151      | <10      | 71       |
| B280050            |                                   | <10      | <10      | 3        | <10      | 2        |



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 North Vancouver BC V7H 0A7  
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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064375**

| Sample Description | Method Analyte Units LOD | WEI-21       | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|--------------------|--------------------------|--------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Recvd Wt. kg | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm |
|                    |                          | 0.02         | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10     |
| B280051            |                          | 0.53         | <0.01   | <0.5     | 6.80     | <5       | 1820     | 3.1      | <2       | 4.42     | <0.5     | 19       | 35       | 89       | 4.71     | 20     |
| B280052            |                          | 0.65         | <0.01   | 7.5      | 5.77     | <5       | 1890     | 1.3      | 20       | 5.31     | <0.5     | 26       | 46       | 868      | 4.73     | 20     |
| B280053            |                          | 2.01         | <0.01   | <0.5     | 2.60     | <5       | 30       | 0.7      | <2       | 4.48     | <0.5     | 84       | 1325     | 39       | 6.07     | 10     |
| B280054            |                          | 1.47         | <0.01   | <0.5     | 2.92     | <5       | 50       | <0.5     | <2       | 2.98     | <0.5     | 90       | 1595     | 43       | 6.44     | 10     |
| B280055            |                          | 0.60         | <0.01   | <0.5     | 6.48     | <5       | 1250     | 0.7      | 2        | 2.63     | <0.5     | 48       | 664      | 47       | 5.45     | 20     |
| B280056            |                          | 0.66         | <0.01   | <0.5     | 2.84     | <5       | 130      | <0.5     | <2       | 4.00     | 0.5      | 87       | 1460     | 23       | 6.43     | 10     |
| B280057            |                          | 1.28         | <0.01   | <0.5     | 3.49     | <5       | 460      | 1.1      | <2       | 3.96     | 0.5      | 77       | 1250     | 100      | 6.01     | 10     |
| B280058            |                          | 1.17         | <0.01   | <0.5     | 3.16     | <5       | 260      | 1.3      | 2        | 4.70     | <0.5     | 68       | 1120     | 67       | 5.78     | 10     |
| B280059            |                          | 1.10         | <0.01   | <0.5     | 7.12     | <5       | 2100     | 3.7      | 6        | 4.10     | <0.5     | 24       | 74       | 77       | 5.01     | 20     |
| B280060            |                          | 0.06         | 3.48    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| B280061            |                          | 1.12         | <0.01   | <0.5     | 3.21     | <5       | 100      | 1.2      | 2        | 4.47     | 0.5      | 79       | 1480     | 39       | 6.42     | 10     |
| B280062            |                          | 1.86         | <0.01   | <0.5     | 3.88     | <5       | 60       | 1.1      | <2       | 4.20     | <0.5     | 87       | 1785     | 76       | 7.71     | 10     |
| B280063            |                          | 1.62         | <0.01   | <0.5     | 6.27     | <5       | 2520     | 5.7      | <2       | 4.31     | <0.5     | 29       | 165      | 93       | 6.05     | 20     |
| B280064            |                          | 1.68         | <0.01   | <0.5     | 3.20     | <5       | 150      | 1.0      | 3        | 2.74     | <0.5     | 88       | 1580     | 52       | 7.05     | 10     |
| B280065            |                          | 0.36         | <0.01   | <0.5     | 3.27     | <5       | 130      | 1.1      | 2        | 2.70     | <0.5     | 87       | 1385     | 44       | 6.38     | 10     |
| B280066            |                          | 0.37         | <0.01   | <0.5     | 3.14     | <5       | 110      | 1.1      | 2        | 2.70     | <0.5     | 87       | 1345     | 51       | 6.29     | 10     |
| B280067            |                          | 1.75         | <0.01   | <0.5     | 7.14     | <5       | 2500     | 5.2      | <2       | 2.66     | <0.5     | 18       | 143      | 29       | 4.07     | 20     |
| B280068            |                          | 1.68         | <0.01   | <0.5     | 6.94     | <5       | 3380     | 4.6      | 3        | 2.91     | <0.5     | 16       | 89       | 35       | 3.77     | 20     |
| B280069            |                          | 1.11         | <0.01   | <0.5     | 2.51     | <5       | 30       | 0.8      | 3        | 4.78     | <0.5     | 86       | 1385     | 26       | 6.11     | 10     |
| B280070            |                          | 0.34         | <0.01   | <0.5     | 0.73     | <5       | 10       | <0.5     | <2       | 0.03     | <0.5     | <1       | 22       | 1        | 0.81     | <10    |
| B280071            |                          | 0.86         | <0.01   | <0.5     | 7.83     | <5       | 2820     | 2.7      | 4        | 4.18     | <0.5     | 18       | 70       | 27       | 4.32     | 20     |



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 North Vancouver BC V7H 0A7  
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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064375**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
|                    |                          | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01 |
| B280051            |                          | 4.31     | 50       | 2.28     | 895      | 1        | 2.26     | 26       | 2780     | 24       | 0.14     | <5       | 17       | 781      | <20      | 0.23 |
| B280052            |                          | 3.25     | 40       | 3.00     | 1505     | <1       | 2.61     | 63       | 2090     | 1900     | 0.64     | <5       | 14       | 558      | <20      | 0.20 |
| B280053            |                          | 0.40     | <10      | 14.30    | 1180     | <1       | 0.04     | 1420     | 50       | 5        | 0.02     | <5       | 17       | 121      | <20      | 0.06 |
| B280054            |                          | 0.79     | <10      | 15.50    | 829      | <1       | 0.05     | 1470     | 70       | 5        | 0.08     | 6        | 18       | 144      | <20      | 0.09 |
| B280055            |                          | 2.25     | 30       | 7.37     | 578      | 1        | 2.69     | 607      | 1080     | 57       | 0.29     | <5       | 17       | 6480     | 20       | 0.20 |
| B280056            |                          | 0.52     | <10      | 15.35    | 1225     | <1       | 0.02     | 1445     | 50       | 6        | 0.09     | 5        | 19       | 503      | <20      | 0.08 |
| B280057            |                          | 2.52     | 10       | 13.25    | 1120     | 6        | 0.37     | 1250     | 340      | 8        | 0.13     | <5       | 17       | 359      | <20      | 0.16 |
| B280058            |                          | 2.22     | 10       | 12.65    | 1255     | <1       | 0.33     | 1060     | 290      | 7        | 0.13     | <5       | 16       | 224      | <20      | 0.14 |
| B280059            |                          | 3.78     | 50       | 2.65     | 978      | <1       | 3.48     | 37       | 2810     | 37       | 0.33     | <5       | 16       | 1090     | 20       | 0.27 |
| B280060            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| B280061            |                          | 1.39     | <10      | 14.00    | 1285     | <1       | 0.03     | 1150     | 90       | 4        | 0.04     | <5       | 19       | 168      | <20      | 0.13 |
| B280062            |                          | 1.72     | <10      | 13.30    | 1155     | 1        | 0.01     | 951      | 90       | 3        | 0.05     | 5        | 25       | 323      | <20      | 0.19 |
| B280063            |                          | 2.14     | 100      | 3.45     | 1060     | 1        | 3.65     | 92       | 4170     | 33       | 0.38     | <5       | 18       | 1910     | 30       | 0.35 |
| B280064            |                          | 1.23     | <10      | 14.65    | 961      | <1       | 0.01     | 1300     | 70       | <2       | 0.15     | <5       | 20       | 201      | <20      | 0.12 |
| B280065            |                          | 1.04     | <10      | 15.20    | 940      | <1       | 0.01     | 1465     | 60       | 4        | 0.04     | <5       | 19       | 155      | <20      | 0.10 |
| B280066            |                          | 1.02     | <10      | 15.30    | 933      | <1       | 0.01     | 1440     | 60       | 5        | 0.06     | <5       | 18       | 148      | <20      | 0.10 |
| B280067            |                          | 3.82     | 40       | 2.29     | 738      | <1       | 3.68     | 99       | 1980     | 29       | 0.11     | <5       | 10       | 1500     | 20       | 0.29 |
| B280068            |                          | 3.88     | 50       | 1.95     | 800      | <1       | 3.46     | 60       | 1910     | 32       | 0.25     | <5       | 10       | 2670     | 20       | 0.26 |
| B280069            |                          | 0.50     | <10      | 15.55    | 1170     | <1       | 0.01     | 1550     | 40       | 5        | 0.06     | <5       | 16       | 183      | <20      | 0.08 |
| B280070            |                          | 0.03     | 20       | 0.06     | 34       | <1       | 0.01     | 7        | 80       | <2       | <0.01    | <5       | 1        | 21       | <20      | 0.03 |
| B280071            |                          | 1.14     | 30       | 2.20     | 866      | 1        | 4.80     | 21       | 1800     | 26       | 0.16     | <5       | 12       | 2160     | <20      | 0.32 |



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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064375**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| B280051            |                                   | <10      | <10      | 149      | <10      | 47       |
| B280052            |                                   | <10      | <10      | 102      | <10      | 61       |
| B280053            |                                   | <10      | <10      | 93       | <10      | 118      |
| B280054            |                                   | <10      | 10       | 117      | <10      | 55       |
| B280055            |                                   | <10      | <10      | 144      | <10      | 46       |
| B280056            |                                   | <10      | 10       | 105      | <10      | 65       |
| B280057            |                                   | <10      | <10      | 124      | <10      | 84       |
| B280058            |                                   | <10      | <10      | 116      | <10      | 77       |
| B280059            |                                   | <10      | <10      | 149      | <10      | 62       |
| B280060            |                                   |          |          |          |          |          |
| B280061            |                                   | <10      | <10      | 119      | <10      | 93       |
| B280062            |                                   | <10      | <10      | 151      | <10      | 69       |
| B280063            |                                   | <10      | <10      | 174      | <10      | 103      |
| B280064            |                                   | <10      | <10      | 124      | <10      | 70       |
| B280065            |                                   | <10      | <10      | 123      | <10      | 62       |
| B280066            |                                   | <10      | <10      | 119      | <10      | 62       |
| B280067            |                                   | <10      | <10      | 115      | <10      | 94       |
| B280068            |                                   | <10      | <10      | 104      | <10      | 66       |
| B280069            |                                   | <10      | <10      | 90       | <10      | 102      |
| B280070            |                                   | <10      | <10      | 5        | <10      | <2       |
| B280071            |                                   | <10      | <10      | 124      | <10      | 83       |



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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20064375**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
Au-AA26 ME-ICP61

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.  
CRU-31 CRU-QC LOG-21 LOG-23  
PUL-31 PUL-QC SPL-21 WEI-21



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**QC CERTIFICATE TM20064375**

Project: Golden Perimeter  
 P.O. No.: GP20-04  
 This report is for 221 Drill Core samples submitted to our lab in Timmins, ON, Canada on 18-MAR-2020.  
 The following have access to data associated with this certificate:

|                              |              |              |
|------------------------------|--------------|--------------|
| IAN DUNLOP<br>CONOR MCKINLEY | DARWIN GREEN | NEAL MAGUIRE |
|------------------------------|--------------|--------------|

| SAMPLE PREPARATION |                                 |
|--------------------|---------------------------------|
| ALS CODE           | DESCRIPTION                     |
| WEI-21             | Received Sample Weight          |
| LOG-21             | Sample logging - ClientBarCode  |
| CRU-QC             | Crushing QC Test                |
| PUL-QC             | Pulverizing QC Test             |
| CRU-31             | Fine crushing - 70% <2mm        |
| SPL-21             | Split sample - riffle splitter  |
| PUL-31             | Pulverize up to 250g 85% <75 um |
| LOG-23             | Pulp Login - Rcvd with Barcode  |

| ANALYTICAL PROCEDURES |                               |            |
|-----------------------|-------------------------------|------------|
| ALS CODE              | DESCRIPTION                   | INSTRUMENT |
| ME-ICP61              | 33 element four acid ICP-AES  | ICP-AES    |
| Au-AA26               | Ore Grade Au 50g FA AA finish | AAS        |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:   
 Saa Traxler, General Manager, North Vancouver



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM20064375**

| Sample Description         | Method Analyte Units LOD | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|----------------------------|--------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                            |                          | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K %  |
|                            |                          | 0.01    | 0.5      | 0.01     | 5        | 10       |          |          |          |          |          |          |          |          |          |      |
| <b>STANDARDS</b>           |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| CDN-CM-34                  |                          |         | 3.6      | 6.53     | 101      | 490      | 1.0      | 10       | 2.14     | 1.2      | 43       | 247      | 5910     | 4.79     | 20       | 2.87 |
| CDN-CM-34                  |                          |         | 3.7      | 6.59     | 101      | 490      | 1.0      | 10       | 2.07     | 1.2      | 42       | 240      | 5780     | 4.77     | 20       | 2.82 |
| CDN-CM-34                  |                          |         | 3.5      | 6.50     | 100      | 400      | 1.0      | 8        | 2.04     | 1.3      | 41       | 228      | 5770     | 4.66     | 20       | 2.76 |
| CDN-CM-34                  |                          |         | 3.9      | 6.76     | 100      | 510      | 1.0      | 8        | 2.17     | 1.2      | 43       | 251      | 6000     | 5.01     | 20       | 2.83 |
| Target Range - Lower Bound |                          |         | 2.5      | 5.88     | 90       | 430      | <0.5     | <2       | 1.83     | <0.5     | 37       | 217      | 5370     | 4.26     | <10      | 2.51 |
| Upper Bound                |                          |         | 4.9      | 7.21     | 122      | 610      | 2.1      | 8        | 2.25     | 2.0      | 47       | 267      | 6190     | 5.23     | 40       | 3.09 |
| EMOG-17                    |                          |         | 67.3     | 4.60     | 579      | 230      | 1.8      | 15       | 1.99     | 20.2     | 760      | 57       | 8460     | 4.90     | 10       | 1.68 |
| EMOG-17                    |                          |         | 64.9     | 4.44     | 559      | 150      | 1.8      | 9        | 1.82     | 19.3     | 730      | 55       | 7930     | 4.65     | 10       | 1.60 |
| EMOG-17                    |                          |         | 69.4     | 4.80     | 595      | 140      | 1.9      | 9        | 1.95     | 20.5     | 783      | 57       | 8580     | 4.96     | 10       | 1.71 |
| EMOG-17                    |                          |         | 68.2     | 4.66     | 545      | 200      | 1.8      | 12       | 1.97     | 20.4     | 768      | 60       | 8550     | 4.97     | 10       | 1.66 |
| Target Range - Lower Bound |                          |         | 60.4     | 4.18     | 517      | 930      | 0.7      | <2       | 1.72     | 17.7     | 685      | 49       | 7740     | 4.42     | <10      | 1.49 |
| Upper Bound                |                          |         | 75.0     | 5.13     | 643      | 1290     | 2.9      | 10       | 2.12     | 22.7     | 839      | 62       | 8910     | 5.42     | 30       | 1.85 |
| G313-5                     |                          | 6.98    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G313-5                     |                          | 7.24    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G313-5                     |                          | 6.98    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 6.64    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 7.50    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G917-1                     |                          | 46.8    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G917-1                     |                          | 48.2    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G917-1                     |                          | 47.2    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 45.5    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 51.3    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| KIP-19                     |                          | 2.43    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| KIP-19                     |                          | 2.44    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| KIP-19                     |                          | 2.43    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 2.27    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 2.59    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| MRGeo08                    |                          |         | 4.5      | 7.64     | 28       | 1110     | 3.3      | <2       | 2.65     | 2.3      | 20       | 91       | 634      | 3.97     | 20       | 3.17 |
| MRGeo08                    |                          |         | 4.5      | 7.46     | 37       | 1160     | 3.3      | <2       | 2.82     | 2.3      | 19       | 94       | 656      | 4.10     | 20       | 3.36 |
| MRGeo08                    |                          |         | 4.8      | 7.40     | 30       | 1080     | 3.2      | 2        | 2.65     | 2.3      | 20       | 96       | 615      | 3.96     | 20       | 3.07 |
| Target Range - Lower Bound |                          |         | 3.2      | 6.64     | 21       | 920      | 2.2      | <2       | 2.35     | 1.1      | 17       | 81       | 586      | 3.55     | <10      | 2.79 |
| Upper Bound                |                          |         | 5.6      | 8.14     | 45       | 1270     | 4.5      | 5        | 2.90     | 3.4      | 23       | 102      | 676      | 4.37     | 40       | 3.43 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064375**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|----------------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                            |                          | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti %     | Tl ppm |
|                            |                          | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01     | 10     |
| <b>STANDARDS</b>           |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| CDN-CM-34                  |                          | 20       | 3.65     | 446      | 290      | 0.75     | 254      | 1210     | 24       | 2.97     | 10       | 16       | 218      | <20      | 0.49     | <10    |
| CDN-CM-34                  |                          | 20       | 3.57     | 454      | 285      | 0.74     | 250      | 1220     | 22       | 2.97     | 8        | 16       | 220      | <20      | 0.50     | <10    |
| CDN-CM-34                  |                          | 10       | 3.52     | 446      | 281      | 0.73     | 243      | 1200     | 23       | 2.91     | 8        | 16       | 218      | <20      | 0.49     | <10    |
| CDN-CM-34                  |                          | 10       | 3.73     | 462      | 301      | 0.76     | 259      | 1250     | 26       | 3.01     | 6        | 16       | 227      | <20      | 0.50     | <10    |
| Target Range - Lower Bound |                          | <10      | 3.29     | 399      | 269      | 0.66     | 220      | 1110     | 19       | 2.70     | <5       | 14       | 204      | <20      | 0.43     | <10    |
| Upper Bound                |                          | 40       | 4.05     | 499      | 331      | 0.83     | 271      | 1370     | 29       | 3.32     | 17       | 19       | 251      | 40       | 0.55     | 20     |
| EMOG-17                    |                          | 20       | 0.95     | 752      | 1080     | 1.10     | 7710     | 800      | 7320     | 3.18     | 787      | 8        | 201      | <20      | 0.31     | <10    |
| EMOG-17                    |                          | 20       | 0.89     | 717      | 1025     | 1.04     | 7380     | 780      | 6910     | 3.03     | 748      | 7        | 194      | <20      | 0.31     | <10    |
| EMOG-17                    |                          | 20       | 0.96     | 763      | 1100     | 1.12     | 7920     | 820      | 7370     | 3.24     | 798      | 8        | 210      | <20      | 0.33     | <10    |
| EMOG-17                    |                          | 20       | 0.96     | 762      | 1090     | 1.09     | 7800     | 800      | 7320     | 3.17     | 794      | 8        | 205      | <20      | 0.32     | <10    |
| Target Range - Lower Bound |                          | <10      | 0.86     | 670      | 996      | 0.99     | 6820     | 700      | 6570     | 2.91     | 638      | 6        | 184      | <20      | 0.28     | <10    |
| Upper Bound                |                          | 40       | 1.08     | 830      | 1220     | 1.23     | 8330     | 880      | 8030     | 3.57     | 874      | 10       | 227      | 50       | 0.36     | 20     |
| G313-5                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| G313-5                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| G313-5                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| G917-1                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| G917-1                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| G917-1                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| KIP-19                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| KIP-19                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| KIP-19                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| MRGeo08                    |                          | 30       | 1.31     | 571      | 14       | 1.98     | 715      | 1050     | 1085     | 0.30     | 5        | 11       | 311      | 20       | 0.51     | <10    |
| MRGeo08                    |                          | 30       | 1.37     | 598      | 16       | 2.10     | 737      | 1090     | 1145     | 0.32     | <5       | 11       | 324      | <20      | 0.53     | 10     |
| MRGeo08                    |                          | 30       | 1.31     | 557      | 14       | 1.92     | 700      | 1010     | 1065     | 0.29     | <5       | 11       | 296      | 20       | 0.48     | <10    |
| Target Range - Lower Bound |                          | <10      | 1.17     | 497      | 12       | 1.76     | 621      | 930      | 969      | 0.27     | <5       | 10       | 276      | <20      | 0.44     | <10    |
| Upper Bound                |                          | 60       | 1.45     | 619      | 18       | 2.18     | 761      | 1160     | 1190     | 0.35     | 15       | 15       | 340      | 60       | 0.56     | 20     |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
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 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064375**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 U ppm 10 | ME-ICP61 V ppm 1 | ME-ICP61 W ppm 10 | ME-ICP61 Zn ppm 2 |
|----------------------------|--------------------------|-------------------|------------------|-------------------|-------------------|
| <b>STANDARDS</b>           |                          |                   |                  |                   |                   |
| CDN-CM-34                  |                          | <10               | 163              | 20                | 200               |
| CDN-CM-34                  |                          | <10               | 163              | 20                | 198               |
| CDN-CM-34                  |                          | <10               | 161              | 20                | 192               |
| CDN-CM-34                  |                          | <10               | 168              | 20                | 207               |
| Target Range - Lower Bound |                          | <10               | 149              | <10               | 176               |
| Upper Bound                |                          | 20                | 184              | 50                | 219               |
| EMOG-17                    |                          | <10               | 72               | <10               | 7670              |
| EMOG-17                    |                          | <10               | 69               | <10               | 7090              |
| EMOG-17                    |                          | <10               | 75               | <10               | 7590              |
| EMOG-17                    |                          | <10               | 72               | <10               | 7470              |
| Target Range - Lower Bound |                          | <10               | 67               | <10               | 6800              |
| Upper Bound                |                          | 20                | 84               | 20                | 8320              |
| G313-5                     |                          |                   |                  |                   |                   |
| G313-5                     |                          |                   |                  |                   |                   |
| G313-5                     |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| G917-1                     |                          |                   |                  |                   |                   |
| G917-1                     |                          |                   |                  |                   |                   |
| G917-1                     |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| KIP-19                     |                          |                   |                  |                   |                   |
| KIP-19                     |                          |                   |                  |                   |                   |
| KIP-19                     |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| MRGeo08                    |                          | <10               | 110              | <10               | 820               |
| MRGeo08                    |                          | <10               | 115              | <10               | 854               |
| MRGeo08                    |                          | <10               | 105              | <10               | 795               |
| Target Range - Lower Bound |                          | <10               | 97               | <10               | 722               |
| Upper Bound                |                          | 30                | 121              | 30                | 886               |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
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 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064375**

| Sample Description         | Method Analyte Units LOD | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |     |
|----------------------------|--------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|
|                            |                          | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K % |
|                            |                          | 0.01    | 0.5      | 0.01     | 5        | 10       |          |          |          |          |          |          |          |          |          |     |
| <b>STANDARDS</b>           |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| OREAS 602                  |                          | >100    | 4.12     | 635      | 270      | 0.8      | 59       | 0.60     | 24.3     | 9        | 28       | 4900     | 2.07     | 20       | 0.65     |     |
| OREAS 602                  |                          | >100    | 4.59     | 696      | 140      | 0.8      | 62       | 0.67     | 26.6     | 11       | 32       | 5380     | 2.25     | 20       | 0.71     |     |
| OREAS 602                  |                          | >100    | 4.42     | 682      | 160      | 0.8      | 62       | 0.64     | 25.9     | 9        | 36       | 5240     | 2.26     | 20       | 0.69     |     |
| Target Range - Lower Bound |                          | 107.5   | 3.92     | 579      | 590      | <0.5     | 49       | 0.55     | 21.7     | 7        | 28       | 4790     | 2.01     | <10      | 0.60     |     |
| Upper Bound                |                          | 100.0   | 4.82     | 719      | 830      | 1.8      | 65       | 0.69     | 27.7     | 12       | 36       | 5510     | 2.47     | 40       | 0.76     |     |
| OxP154                     |                          | 15.35   |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| OxP154                     |                          | 15.30   |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Target Range - Lower Bound |                          | 14.35   |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Upper Bound                |                          | 16.20   |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| PMP-18                     |                          | 0.31    |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| PMP-18                     |                          | 0.30    |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Target Range - Lower Bound |                          | 0.28    |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Upper Bound                |                          | 0.34    |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| <b>BLANKS</b>              |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| BLANK                      |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| BLANK                      |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| BLANK                      |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| BLANK                      |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| BLANK                      |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| BLANK                      |                          | <0.5    | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | <1       | <0.01    | <10      | <0.01    |     |
| BLANK                      |                          | <0.5    | 0.01     | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | 2        | <0.01    | <10      | <0.01    |     |
| BLANK                      |                          | <0.5    | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | <1       | <0.01    | <10      | <0.01    |     |
| BLANK                      |                          | <0.5    | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | <1       | <0.01    | <10      | <0.01    |     |
| BLANK                      |                          | <0.5    | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | <1       | <0.01    | <10      | <0.01    |     |
| BLANK                      |                          | <0.5    | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | 1        | <1       | <0.01    | <10      | <0.01    |     |
| BLANK                      |                          | <0.5    | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | 1        | <1       | <0.01    | <10      | <0.01    |     |
| Target Range - Lower Bound |                          | <0.5    | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | <1       | <0.01    | <10      | <0.01    |     |
| Upper Bound                |                          | 1.0     | 0.02     | 10       | 20       | 1.0      | 4        | 0.02     | 1.0      | 2        | 2        | 2        | 0.02     | 20       | 0.02     |     |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064375**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|----------------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                            |                          | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti %     | Tl ppm |
| <b>STANDARDS</b>           |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| OREAS 602                  |                          | 10       | 0.18     | 223      | 4        | 0.42     | 57       | 550      | 971      | 1.98     | 79       | 4        | 444      | <20      | 0.21     | <10    |
| OREAS 602                  |                          | 10       | 0.20     | 242      | 5        | 0.47     | 63       | 600      | 1105     | 2.19     | 86       | 4        | 487      | <20      | 0.23     | <10    |
| OREAS 602                  |                          | 10       | 0.19     | 236      | 5        | 0.44     | 63       | 580      | 1045     | 2.11     | 84       | 4        | 466      | <20      | 0.22     | <10    |
| Target Range - Lower Bound |                          | <10      | 0.17     | 198      | 2        | 0.40     | 53       | 500      | 918      | 1.90     | 61       | 2        | 417      | <20      | 0.18     | <10    |
| Upper Bound                |                          | 40       | 0.23     | 253      | 7        | 0.51     | 67       | 640      | 1125     | 2.34     | 97       | 6        | 511      | 50       | 0.24     | 20     |
| OxP154                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| OxP154                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| PMP-18                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| PMP-18                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| <b>BLANKS</b>              |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| BLANK                      |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| BLANK                      |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| BLANK                      |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| BLANK                      |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| BLANK                      |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| BLANK                      |                          | <10      | <0.01    | <5       | <1       | <0.01    | <1       | <10      | <2       | <0.01    | <5       | <1       | <1       | <20      | <0.01    | <10    |
| BLANK                      |                          | <10      | <0.01    | <5       | <1       | <0.01    | 3        | <10      | <2       | <0.01    | <5       | <1       | 1        | <20      | <0.01    | <10    |
| BLANK                      |                          | <10      | <0.01    | <5       | <1       | <0.01    | <1       | <10      | <2       | <0.01    | <5       | <1       | 1        | <20      | <0.01    | <10    |
| BLANK                      |                          | <10      | <0.01    | <5       | <1       | <0.01    | <1       | <10      | <2       | <0.01    | <5       | <1       | 1        | <20      | <0.01    | <10    |
| BLANK                      |                          | <10      | <0.01    | <5       | <1       | <0.01    | <1       | <10      | <2       | <0.01    | <5       | <1       | 1        | <20      | <0.01    | <10    |
| BLANK                      |                          | <10      | <0.01    | <5       | <1       | <0.01    | <1       | <10      | <2       | <0.01    | <5       | <1       | 1        | <20      | <0.01    | <10    |
| BLANK                      |                          | <10      | <0.01    | <5       | <1       | <0.01    | <1       | <10      | <2       | <0.01    | <5       | <1       | 2        | <20      | <0.01    | <10    |
| Target Range - Lower Bound |                          | <10      | <0.01    | <5       | <1       | <0.01    | <1       | <10      | <2       | <0.01    | <5       | <1       | <1       | <20      | <0.01    | <10    |
| Upper Bound                |                          | 20       | 0.02     | 10       | 2        | 0.02     | 2        | 20       | 4        | 0.02     | 10       | 2        | 2        | 40       | 0.02     | 20     |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064375**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 U ppm | ME-ICP61 V ppm | ME-ICP61 W ppm | ME-ICP61 Zn ppm |
|----------------------------|--------------------------|----------------|----------------|----------------|-----------------|
|                            |                          | 10             | 1              | 10             | 2               |
| <b>STANDARDS</b>           |                          |                |                |                |                 |
| OREAS 602                  |                          | <10            | 32             | <10            | 3980            |
| OREAS 602                  |                          | <10            | 35             | 10             | 4360            |
| OREAS 602                  |                          | <10            | 33             | <10            | 4190            |
| Target Range - Lower Bound |                          | <10            | 29             | <10            | 3770            |
| Upper Bound                |                          | 20             | 37             | 30             | 4610            |
| OxP154                     |                          |                |                |                |                 |
| OxP154                     |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| PMP-18                     |                          |                |                |                |                 |
| PMP-18                     |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| <b>BLANKS</b>              |                          |                |                |                |                 |
| BLANK                      |                          |                |                |                |                 |
| BLANK                      |                          |                |                |                |                 |
| BLANK                      |                          |                |                |                |                 |
| BLANK                      |                          |                |                |                |                 |
| BLANK                      |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| BLANK                      |                          | <10            | <1             | <10            | <2              |
| BLANK                      |                          | <10            | <1             | <10            | <2              |
| BLANK                      |                          | <10            | <1             | <10            | <2              |
| BLANK                      |                          | <10            | <1             | <10            | <2              |
| BLANK                      |                          | <10            | <1             | <10            | <2              |
| BLANK                      |                          | <10            | <1             | <10            | <2              |
| BLANK                      |                          | <10            | <1             | <10            | <2              |
| BLANK                      |                          | 10             | <1             | <10            | <2              |
| Target Range - Lower Bound |                          | <10            | <1             | <10            | <2              |
| Upper Bound                |                          | 20             | 2              | 20             | 4               |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064375**

| Sample Description         | Method Analyte Units LOD | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|----------------------------|--------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                            |                          | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K %  |
|                            |                          | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       | 0.01 |
| <b>DUPLICATES</b>          |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| ORIGINAL                   |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| ORIGINAL                   |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| ORIGINAL                   |                          |         | <0.5     | 8.20     | 17       | 610      | 1.2      | <2       | 1.41     | <0.5     | 35       | 200      | 60       | 4.81     | 20       | 1.71 |
| DUP                        |                          |         | <0.5     | 7.74     | 17       | 590      | 1.1      | 2        | 1.37     | <0.5     | 33       | 192      | 63       | 4.65     | 20       | 1.65 |
| Target Range - Lower Bound |                          |         | <0.5     | 7.56     | 11       | 550      | 0.6      | <2       | 1.31     | <0.5     | 31       | 185      | 58       | 4.48     | <10      | 1.59 |
| Upper Bound                |                          |         | 1.0      | 8.38     | 23       | 660      | 1.7      | 4        | 1.47     | 1.0      | 37       | 207      | 65       | 4.98     | 30       | 1.77 |
| W935413                    |                          | 0.13    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | 0.06    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 0.08    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.11    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935426                    |                          |         | <0.5     | 7.80     | <5       | 2680     | 1.9      | <2       | 3.35     | <0.5     | 16       | 43       | 64       | 3.54     | 20       | 2.26 |
| DUP                        |                          |         | <0.5     | 7.34     | <5       | 2550     | 1.8      | <2       | 3.21     | <0.5     | 16       | 41       | 63       | 3.38     | 20       | 2.15 |
| Target Range - Lower Bound |                          |         | <0.5     | 7.18     | <5       | 2410     | 1.3      | <2       | 3.11     | <0.5     | 14       | 39       | 60       | 3.28     | <10      | 2.08 |
| Upper Bound                |                          |         | 1.0      | 7.96     | 10       | 2820     | 2.4      | 4        | 3.45     | 1.0      | 18       | 45       | 67       | 3.64     | 30       | 2.33 |
| W935433                    |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935453                    |                          | 0.14    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | 0.13    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 0.12    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.15    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| W935464                    |                          |         | 0.9      | 6.14     | <5       | 1600     | 2.0      | 5        | 3.94     | <0.5     | 12       | 68       | 95       | 2.60     | 20       | 3.05 |
| DUP                        |                          |         | 0.8      | 6.23     | <5       | 1630     | 2.0      | 7        | 3.97     | <0.5     | 13       | 67       | 97       | 2.64     | 20       | 3.12 |
| Target Range - Lower Bound |                          |         | <0.5     | 5.87     | <5       | 1480     | 1.4      | 4        | 3.75     | <0.5     | 11       | 63       | 92       | 2.48     | <10      | 2.92 |
| Upper Bound                |                          |         | 1.0      | 6.50     | 10       | 1750     | 2.6      | 8        | 4.16     | 1.0      | 14       | 72       | 100      | 2.76     | 30       | 3.25 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064375**

| Sample Description                                           | Method Analyte Units LOD | ME-ICP61 La ppm       | ME-ICP61 Mg %                | ME-ICP61 Mn ppm          | ME-ICP61 Mo ppm   | ME-ICP61 Na %                | ME-ICP61 Ni ppm          | ME-ICP61 P ppm               | ME-ICP61 Pb ppm      | ME-ICP61 S %                 | ME-ICP61 Sb ppm      | ME-ICP61 Sc ppm      | ME-ICP61 Sr ppm              | ME-ICP61 Th ppm         | ME-ICP61 Ti %                | ME-ICP61 Tl ppm         |
|--------------------------------------------------------------|--------------------------|-----------------------|------------------------------|--------------------------|-------------------|------------------------------|--------------------------|------------------------------|----------------------|------------------------------|----------------------|----------------------|------------------------------|-------------------------|------------------------------|-------------------------|
|                                                              |                          | 10                    | 0.01                         | 5                        | 1                 | 0.01                         | 1                        | 10                           | 2                    | 0.01                         | 5                    | 1                    | 1                            | 20                      | 0.01                         | 10                      |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | <b>DUPLICATES</b>     |                              |                          |                   |                              |                          |                              |                      |                              |                      |                      |                              |                         |                              |                         |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                       |                              |                          |                   |                              |                          |                              |                      |                              |                      |                      |                              |                         |                              |                         |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | 20<br>20<br><10<br>30 | 2.63<br>2.51<br>2.43<br>2.71 | 574<br>556<br>532<br>598 | 1<br>2<br><1<br>2 | 1.71<br>1.67<br>1.60<br>1.78 | 196<br>188<br>181<br>203 | 650<br>630<br>600<br>680     | 7<br>11<br>7<br>11   | 0.28<br>0.27<br>0.25<br>0.30 | <5<br>7<br><5<br>10  | 20<br>18<br>17<br>21 | 212<br>208<br>199<br>222     | <20<br><20<br><20<br>40 | 0.17<br>0.15<br>0.14<br>0.18 | <10<br><10<br><10<br>20 |
| W935413<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                       |                              |                          |                   |                              |                          |                              |                      |                              |                      |                      |                              |                         |                              |                         |
| W935426<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | 50<br>40<br>30<br>60  | 1.59<br>1.49<br>1.45<br>1.63 | 758<br>718<br>696<br>780 | 2<br>2<br><1<br>3 | 3.77<br>3.60<br>3.49<br>3.88 | 29<br>29<br>27<br>31     | 1280<br>1240<br>1190<br>1330 | 27<br>25<br>23<br>29 | 0.29<br>0.29<br>0.27<br>0.31 | <5<br><5<br><5<br>10 | 11<br>10<br>9<br>12  | 1480<br>1430<br>1380<br>1530 | <20<br><20<br><20<br>40 | 0.30<br>0.28<br>0.27<br>0.31 | <10<br><10<br><10<br>20 |
| W935433<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                       |                              |                          |                   |                              |                          |                              |                      |                              |                      |                      |                              |                         |                              |                         |
| W935453<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                       |                              |                          |                   |                              |                          |                              |                      |                              |                      |                      |                              |                         |                              |                         |
| W935464<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | 40<br>40<br>30<br>50  | 1.12<br>1.13<br>1.06<br>1.19 | 598<br>611<br>569<br>640 | 1<br>1<br><1<br>2 | 2.52<br>2.55<br>2.40<br>2.67 | 20<br>19<br>18<br>21     | 1140<br>1150<br>1080<br>1210 | 26<br>25<br>22<br>29 | 0.57<br>0.59<br>0.54<br>0.62 | <5<br><5<br><5<br>10 | 9<br>9<br>8<br>10    | 532<br>543<br>510<br>565     | <20<br><20<br><20<br>40 | 0.19<br>0.20<br>0.18<br>0.21 | <10<br><10<br><10<br>20 |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

|                                   |                   |
|-----------------------------------|-------------------|
| <b>QC CERTIFICATE OF ANALYSIS</b> | <b>TM20064375</b> |
|-----------------------------------|-------------------|

| Sample Description                                           | Method Analyte Units LOD | ME-ICP61 U ppm | ME-ICP61 V ppm | ME-ICP61 W ppm | ME-ICP61 Zn ppm |
|--------------------------------------------------------------|--------------------------|----------------|----------------|----------------|-----------------|
|                                                              |                          | 10             | 1              | 10             | 2               |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound | <b>DUPLICATES</b>        |                |                |                |                 |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                |                |                |                 |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound | <10                      | 148            | <10            | 96             |                 |
|                                                              | <10                      | 143            | <10            | 96             |                 |
|                                                              | <10                      | 137            | <10            | 89             |                 |
|                                                              | 20                       | 154            | 20             | 103            |                 |
| W935413<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                |                |                |                 |
| W935426<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  | <10                      | 90             | <10            | 75             |                 |
|                                                              | <10                      | 87             | <10            | 72             |                 |
|                                                              | <10                      | 83             | <10            | 68             |                 |
|                                                              | 20                       | 94             | 20             | 79             |                 |
| W935433<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                |                |                |                 |
| W935453<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                |                |                |                 |
| W935464<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  | <10                      | 75             | <10            | 50             |                 |
|                                                              | <10                      | 75             | <10            | 50             |                 |
|                                                              | <10                      | 70             | <10            | 46             |                 |
|                                                              | 20                       | 80             | 20             | 55             |                 |



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 North Vancouver BC V7H 0A7  
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**QC CERTIFICATE OF ANALYSIS TM20064375**

| Sample Description         | Method Analyte Units LOD | Au-AA26<br>Au<br>ppm<br>0.01 | ME-ICP61<br>Ag<br>ppm<br>0.5 | ME-ICP61<br>Al<br>%<br>0.01 | ME-ICP61<br>As<br>ppm<br>5 | ME-ICP61<br>Ba<br>ppm<br>10 | ME-ICP61<br>Be<br>ppm<br>0.5 | ME-ICP61<br>Bi<br>ppm<br>2 | ME-ICP61<br>Ca<br>%<br>0.01 | ME-ICP61<br>Cd<br>ppm<br>0.5 | ME-ICP61<br>Co<br>ppm<br>1 | ME-ICP61<br>Cr<br>ppm<br>1 | ME-ICP61<br>Cu<br>ppm<br>1 | ME-ICP61<br>Fe<br>%<br>0.01 | ME-ICP61<br>Ga<br>ppm<br>10 | ME-ICP61<br>K<br>%<br>0.01 |
|----------------------------|--------------------------|------------------------------|------------------------------|-----------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|----------------------------|
| <b>DUPLICATES</b>          |                          |                              |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| W935491                    |                          | 0.13                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | 0.12                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | 0.11                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.14                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| W935501                    |                          | <0.5                         | 7.62                         | <5                          | 2530                       | 2.1                         | <2                           | 2.95                       | <0.5                        | 14                           | 59                         | 229                        | 3.31                       | 20                          | 2.85                        |                            |
| DUP                        |                          | <0.5                         | 8.03                         | <5                          | 2600                       | 2.2                         | <2                           | 3.04                       | <0.5                        | 13                           | 60                         | 236                        | 3.36                       | 20                          | 2.90                        |                            |
| Target Range - Lower Bound |                          | <0.5                         | 7.42                         | <5                          | 2360                       | 1.5                         | <2                           | 2.84                       | <0.5                        | 12                           | 56                         | 223                        | 3.16                       | <10                         | 2.72                        |                            |
| Upper Bound                |                          | 1.0                          | 8.23                         | 10                          | 2770                       | 2.8                         | 4                            | 3.15                       | 1.0                         | 15                           | 63                         | 242                        | 3.51                       | 30                          | 3.03                        |                            |
| W935511                    |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| W935531                    |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| W935538                    |                          | <0.5                         | 7.38                         | <5                          | 2310                       | 2.1                         | <2                           | 2.51                       | <0.5                        | 12                           | 30                         | 85                         | 2.73                       | 20                          | 2.46                        |                            |
| DUP                        |                          | <0.5                         | 7.57                         | <5                          | 2410                       | 2.2                         | 3                            | 2.63                       | <0.5                        | 13                           | 34                         | 87                         | 2.88                       | 20                          | 2.55                        |                            |
| Target Range - Lower Bound |                          | <0.5                         | 7.09                         | <5                          | 2170                       | 1.5                         | <2                           | 2.43                       | <0.5                        | 11                           | 29                         | 82                         | 2.65                       | <10                         | 2.37                        |                            |
| Upper Bound                |                          | 1.0                          | 7.86                         | 10                          | 2550                       | 2.8                         | 4                            | 2.71                       | 1.0                         | 14                           | 35                         | 90                         | 2.96                       | 30                          | 2.64                        |                            |
| B280018                    |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| B280026                    |                          | 0.5                          | 6.88                         | <5                          | 2460                       | 3.4                         | 3                            | 2.79                       | <0.5                        | 12                           | 91                         | 40                         | 3.16                       | 20                          | 3.81                        |                            |
| DUP                        |                          | 0.5                          | 6.91                         | <5                          | 2510                       | 3.5                         | 4                            | 2.84                       | <0.5                        | 14                           | 94                         | 38                         | 3.25                       | 20                          | 3.93                        |                            |
| Target Range - Lower Bound |                          | <0.5                         | 6.54                         | <5                          | 2290                       | 2.8                         | <2                           | 2.66                       | <0.5                        | 11                           | 87                         | 37                         | 3.03                       | <10                         | 3.67                        |                            |
| Upper Bound                |                          | 1.0                          | 7.25                         | 10                          | 2680                       | 4.1                         | 4                            | 2.97                       | 1.0                         | 15                           | 98                         | 41                         | 3.38                       | 30                          | 4.07                        |                            |
| B280038                    |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |





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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064375**

| Sample Description                                          | Method Analyte Units LOD | ME-ICP61             | ME-ICP61                     | ME-ICP61                 | ME-ICP61            | ME-ICP61                     | ME-ICP61             | ME-ICP61                     | ME-ICP61             | ME-ICP61                     | ME-ICP61             | ME-ICP61            | ME-ICP61                     | ME-ICP61                | ME-ICP61                     |                         |
|-------------------------------------------------------------|--------------------------|----------------------|------------------------------|--------------------------|---------------------|------------------------------|----------------------|------------------------------|----------------------|------------------------------|----------------------|---------------------|------------------------------|-------------------------|------------------------------|-------------------------|
|                                                             |                          | La ppm               | Mg %                         | Mn ppm                   | Mo ppm              | Na %                         | Ni ppm               | P ppm                        | Pb ppm               | S %                          | Sb ppm               | Sc ppm              | Sr ppm                       | Th ppm                  | Ti %                         | Tl ppm                  |
|                                                             |                          | 10                   | 0.01                         | 5                        | 1                   | 0.01                         | 1                    | 10                           | 2                    | 0.01                         | 5                    | 1                   | 1                            | 20                      | 0.01                         | 10                      |
| <b>DUPLICATES</b>                                           |                          |                      |                              |                          |                     |                              |                      |                              |                      |                              |                      |                     |                              |                         |                              |                         |
| W935491<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                      |                              |                          |                     |                              |                      |                              |                      |                              |                      |                     |                              |                         |                              |                         |
| W935501<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | 40<br>50<br>30<br>60 | 1.71<br>1.76<br>1.64<br>1.83 | 734<br>739<br>695<br>778 | 11<br>11<br>9<br>13 | 3.81<br>3.93<br>3.67<br>4.07 | 19<br>22<br>18<br>23 | 1370<br>1420<br>1320<br>1470 | 28<br>29<br>25<br>32 | 0.11<br>0.11<br>0.09<br>0.13 | <5<br><5<br><5<br>10 | 10<br>11<br>9<br>12 | 1410<br>1450<br>1360<br>1505 | <20<br><20<br><20<br>40 | 0.25<br>0.26<br>0.23<br>0.28 | <10<br>10<br><10<br>20  |
| W935511<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                      |                              |                          |                     |                              |                      |                              |                      |                              |                      |                     |                              |                         |                              |                         |
| W935531<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                      |                              |                          |                     |                              |                      |                              |                      |                              |                      |                     |                              |                         |                              |                         |
| W935538<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | 40<br>40<br>30<br>50 | 1.43<br>1.50<br>1.38<br>1.55 | 602<br>624<br>577<br>649 | 10<br>10<br>9<br>12 | 3.59<br>3.70<br>3.45<br>3.84 | 16<br>18<br>15<br>19 | 1090<br>1150<br>1050<br>1190 | 34<br>33<br>30<br>37 | 0.67<br>0.71<br>0.65<br>0.73 | <5<br><5<br><5<br>10 | 8<br>8<br>7<br>9    | 1655<br>1725<br>1605<br>1775 | <20<br><20<br><20<br>40 | 0.21<br>0.21<br>0.19<br>0.23 | <10<br><10<br><10<br>20 |
| B280018<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                      |                              |                          |                     |                              |                      |                              |                      |                              |                      |                     |                              |                         |                              |                         |
| B280026<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | 40<br>40<br>30<br>50 | 1.66<br>1.70<br>1.59<br>1.77 | 655<br>654<br>617<br>692 | 4<br>5<br>3<br>6    | 3.40<br>3.46<br>3.25<br>3.61 | 63<br>66<br>60<br>69 | 1460<br>1490<br>1390<br>1560 | 29<br>31<br>27<br>34 | 0.44<br>0.46<br>0.42<br>0.48 | <5<br><5<br><5<br>10 | 8<br>8<br>7<br>9    | 862<br>879<br>826<br>915     | <20<br><20<br><20<br>40 | 0.21<br>0.21<br>0.19<br>0.23 | <10<br><10<br><10<br>20 |
| B280038<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                      |                              |                          |                     |                              |                      |                              |                      |                              |                      |                     |                              |                         |                              |                         |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064375**

| Sample Description                                          | Method Analyte Units LOD | ME-ICP61 U ppm 10       | ME-ICP61 V ppm 1     | ME-ICP61 W ppm 10       | ME-ICP61 Zn ppm 2    |
|-------------------------------------------------------------|--------------------------|-------------------------|----------------------|-------------------------|----------------------|
| <b>DUPLICATES</b>                                           |                          |                         |                      |                         |                      |
| W935491<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                      |                         |                      |
| W935501<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | <10<br><10<br><10<br>20 | 91<br>92<br>86<br>97 | <10<br><10<br><10<br>20 | 78<br>79<br>73<br>84 |
| W935511<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                      |                         |                      |
| W935531<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                      |                         |                      |
| W935538<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | <10<br><10<br><10<br>20 | 76<br>79<br>73<br>82 | <10<br><10<br><10<br>20 | 64<br>67<br>60<br>71 |
| B280018<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                      |                         |                      |
| B280026<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | <10<br><10<br><10<br>20 | 85<br>88<br>81<br>92 | <10<br><10<br><10<br>20 | 36<br>36<br>32<br>40 |
| B280038<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                      |                         |                      |



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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064375**

| Sample Description         | Method Analyte Units LOD | Au-AA26<br>Au<br>ppm<br>0.01 | ME-ICP61<br>Ag<br>ppm<br>0.5 | ME-ICP61<br>Al<br>%<br>0.01 | ME-ICP61<br>As<br>ppm<br>5 | ME-ICP61<br>Ba<br>ppm<br>10 | ME-ICP61<br>Be<br>ppm<br>0.5 | ME-ICP61<br>Bi<br>ppm<br>2 | ME-ICP61<br>Ca<br>%<br>0.01 | ME-ICP61<br>Cd<br>ppm<br>0.5 | ME-ICP61<br>Co<br>ppm<br>1 | ME-ICP61<br>Cr<br>ppm<br>1 | ME-ICP61<br>Cu<br>ppm<br>1 | ME-ICP61<br>Fe<br>%<br>0.01 | ME-ICP61<br>Ga<br>ppm<br>10 | ME-ICP61<br>K<br>%<br>0.01 |
|----------------------------|--------------------------|------------------------------|------------------------------|-----------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|----------------------------|
| <b>DUPLICATES</b>          |                          |                              |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| B280058                    |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| B280064                    |                          | <0.5                         | 3.20                         | <5                          | 150                        | 1.0                         | 3                            | 2.74                       | <0.5                        | 88                           | 1580                       | 52                         | 7.05                       | 10                          | 1.23                        |                            |
| DUP                        |                          | <0.5                         | 3.16                         | <5                          | 150                        | 1.0                         | <2                           | 2.77                       | <0.5                        | 89                           | 1645                       | 54                         | 6.99                       | 10                          | 1.21                        |                            |
| Target Range - Lower Bound |                          | <0.5                         | 3.01                         | <5                          | 130                        | <0.5                        | <2                           | 2.61                       | <0.5                        | 83                           | 1530                       | 50                         | 6.66                       | <10                         | 1.15                        |                            |
| Upper Bound                |                          | 1.0                          | 3.35                         | 10                          | 170                        | 1.6                         | 4                            | 2.90                       | 1.0                         | 94                           | 1695                       | 56                         | 7.38                       | 20                          | 1.29                        |                            |
| ORIGINAL                   |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| ORIGINAL                   |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| ORIGINAL                   |                          | 0.22                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | 0.27                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | 0.22                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.27                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| <b>PREP DUPLICATES</b>     |                          |                              |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| W935457                    |                          | 0.01                         | <0.5                         | 6.95                        | <5                         | 2450                        | 2.0                          | <2                         | 3.01                        | <0.5                         | 11                         | 45                         | 70                         | 2.73                        | 20                          | 2.92                       |
| W935457 PREP DUP           |                          | <0.01                        | <0.5                         | 6.89                        | <5                         | 2470                        | 1.9                          | <2                         | 3.09                        | <0.5                         | 11                         | 51                         | 69                         | 2.84                        | 20                          | 2.85                       |
| W935517                    |                          | 0.17                         | <0.5                         | 7.50                        | <5                         | 2250                        | 2.0                          | <2                         | 3.32                        | <0.5                         | 10                         | 32                         | 97                         | 2.76                        | 20                          | 2.00                       |
| W935517 PREP DUP           |                          | 0.19                         | <0.5                         | 7.33                        | <5                         | 2180                        | 1.9                          | <2                         | 3.17                        | <0.5                         | 10                         | 35                         | 93                         | 2.76                        | 20                          | 1.87                       |
| B280028                    |                          | 0.01                         | 0.9                          | 7.37                        | <5                         | 2080                        | 3.3                          | 2                          | 2.82                        | <0.5                         | 56                         | 94                         | 24                         | 4.35                        | 20                          | 1.95                       |
| B280028 PREP DUP           |                          | 0.01                         | 0.5                          | 7.20                        | <5                         | 2070                        | 3.1                          | <2                         | 2.82                        | <0.5                         | 54                         | 96                         | 24                         | 4.29                        | 20                          | 1.96                       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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**QC CERTIFICATE OF ANALYSIS TM20064375**

| Sample Description                                           | Method Analyte Units LOD | ME-ICP61                    | ME-ICP61             | ME-ICP61           | ME-ICP61     | ME-ICP61             | ME-ICP61                     | ME-ICP61             | ME-ICP61     | ME-ICP61                     | ME-ICP61 | ME-ICP61             | ME-ICP61                 | ME-ICP61              | ME-ICP61                     |                       |
|--------------------------------------------------------------|--------------------------|-----------------------------|----------------------|--------------------|--------------|----------------------|------------------------------|----------------------|--------------|------------------------------|----------|----------------------|--------------------------|-----------------------|------------------------------|-----------------------|
|                                                              |                          | La ppm                      | Mg %                 | Mn ppm             | Mo ppm       | Na %                 | Ni ppm                       | P ppm                | Pb ppm       | S %                          | Sb ppm   | Sc ppm               | Sr ppm                   | Th ppm                | Ti %                         | Tl ppm                |
| <b>DUPLICATES</b>                                            |                          |                             |                      |                    |              |                      |                              |                      |              |                              |          |                      |                          |                       |                              |                       |
| B280058<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                             |                      |                    |              |                      |                              |                      |              |                              |          |                      |                          |                       |                              |                       |
| B280064<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | <10<br>14.65<br>13.90<br>20 | 14.65<br>964<br>1015 | 961<br>964<br>1015 | <1<br>1<br>2 | 0.01<br>0.01<br>0.02 | 1300<br>1290<br>1230<br>1360 | 70<br>90<br>70<br>90 | <2<br>2<br>4 | 0.15<br>0.16<br>0.14<br>0.17 | <5<br>5  | 20<br>20<br>18<br>22 | 201<br>198<br>189<br>210 | <20<br>20<br>20<br>40 | 0.12<br>0.12<br>0.10<br>0.14 | <10<br>10<br>10<br>20 |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                      |                    |              |                      |                              |                      |              |                              |          |                      |                          |                       |                              |                       |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                      |                    |              |                      |                              |                      |              |                              |          |                      |                          |                       |                              |                       |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                             |                      |                    |              |                      |                              |                      |              |                              |          |                      |                          |                       |                              |                       |
| <b>PREP DUPLICATES</b>                                       |                          |                             |                      |                    |              |                      |                              |                      |              |                              |          |                      |                          |                       |                              |                       |
| W935457<br>W935457 PREP DUP                                  |                          | 30<br>30                    | 1.10<br>1.13         | 538<br>544         | <1<br>1      | 3.35<br>3.39         | 19<br>23                     | 1110<br>1080         | 25<br>22     | 0.19<br>0.20                 | <5<br>5  | 8<br>8               | 771<br>774               | <20<br>20             | 0.20<br>0.19                 | <10<br>10             |
| W935517<br>W935517 PREP DUP                                  |                          | 40<br>40                    | 1.38<br>1.31         | 647<br>619         | <1<br>1      | 4.03<br>3.74         | 15<br>19                     | 1180<br>1110         | 29<br>26     | 0.41<br>0.39                 | <5<br>5  | 8<br>8               | 586<br>552               | <20<br>20             | 0.22<br>0.21                 | <10<br>10             |
| B280028<br>B280028 PREP DUP                                  |                          | 50<br>40                    | 2.64<br>2.60         | 596<br>588         | 1<br>1       | 4.15<br>4.13         | 146<br>142                   | 1500<br>1490         | 14<br>13     | 1.02<br>0.97                 | <5<br>5  | 9<br>8               | 674<br>666               | 20<br>20              | 0.17<br>0.18                 | <10<br>10             |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM20064375**

| Sample Description                                           | Method Analyte Units LOD | ME-ICP61 U ppm 10       | ME-ICP61 V ppm 1         | ME-ICP61 W ppm 10       | ME-ICP61 Zn ppm 2    |
|--------------------------------------------------------------|--------------------------|-------------------------|--------------------------|-------------------------|----------------------|
| <b>DUPLICATES</b>                                            |                          |                         |                          |                         |                      |
| B280058<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                         |                          |                         |                      |
| B280064<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | <10<br><10<br><10<br>20 | 124<br>123<br>116<br>131 | <10<br><10<br><10<br>20 | 70<br>70<br>65<br>76 |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                          |                         |                      |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                          |                         |                      |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                          |                         |                      |
| <b>PREP DUPLICATES</b>                                       |                          |                         |                          |                         |                      |
| W935457<br>W935457 PREP DUP                                  |                          | <10<br><10              | 82<br>83                 | <10<br><10              | 58<br>58             |
| W935517<br>W935517 PREP DUP                                  |                          | <10<br><10              | 81<br>78                 | 10<br>10                | 69<br>66             |
| B280028<br>B280028 PREP DUP                                  |                          | <10<br><10              | 95<br>97                 | <10<br><10              | 43<br>43             |
|                                                              |                          |                         |                          |                         |                      |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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To: **HIGHGOLD MINING**  
**800 WEST PENDER ST, 320**  
**VANCOUVER BC V6C 2V6**

Page: Appendix 1  
Total # Appendix Pages: 1  
Finalized Date: 13-APR-2020  
Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20064375**

### CERTIFICATE COMMENTS

#### LABORATORY ADDRESSES

|                    |                                                                                                   |          |        |        |
|--------------------|---------------------------------------------------------------------------------------------------|----------|--------|--------|
| Applies to Method: | Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.<br>Au-AA26 | ME-ICP61 |        |        |
| Applies to Method: | Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.          | CRU-31   | CRU-QC | LOG-21 |
|                    |                                                                                                   | PUL-31   | PUL-QC | SPL-21 |
|                    |                                                                                                   |          |        | LOG-23 |
|                    |                                                                                                   |          |        | WEI-21 |



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 Plus Appendix Pages  
 Finalized Date: 8-APR-2020  
 Account: GOLHIGH

**CERTIFICATE TM20068351**

Project: Golden Perimeter

This report is for 8 Drill Core samples submitted to our lab in Timmins, ON, Canada on 23-MAR-2020.

The following have access to data associated with this certificate:

|                              |              |              |
|------------------------------|--------------|--------------|
| IAN DUNLOP<br>CONOR MCKINLEY | DARWIN GREEN | NEAL MAGUIRE |
|------------------------------|--------------|--------------|

| SAMPLE PREPARATION |                               |
|--------------------|-------------------------------|
| ALS CODE           | DESCRIPTION                   |
| FND-02             | Find Sample for Addn Analysis |

| ANALYTICAL PROCEDURES |                                 |            |
|-----------------------|---------------------------------|------------|
| ALS CODE              | DESCRIPTION                     | INSTRUMENT |
| ME-XRF26              | Whole Rock By Fusion/XRF        | XRF        |
| OA-GRA05x             | LOI for XRF                     | WST-SEQ    |
| ME-MS42               | Up to 34 elements by ICP-MS     | ICP-MS     |
| S-IR08                | Total Sulphur (IR Spectroscopy) | LECO       |
| C-IR07                | Total Carbon (IR Spectroscopy)  | LECO       |
| ME-MS81               | Lithium Borate Fusion ICP-MS    | ICP-MS     |
| ME-4ACD81             | Base Metals by 4-acid dig.      | ICP-AES    |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:   
 Saa Traxler, General Manager, North Vancouver



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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 Total # Pages: 2 (A - E)  
 Plus Appendix Pages  
 Finalized Date: 8-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20068351**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-XRF26   | ME-XRF26 | ME-XRF26 | ME-XRF26   | ME-XRF26   | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26  | ME-XRF26  | ME-XRF26  | ME-XRF26 | ME-XRF26  | ME-XRF26                   | ME-XRF26   |
|--------------------|-----------------------------------|------------|----------|----------|------------|------------|----------|----------|----------|-----------|-----------|-----------|----------|-----------|----------------------------|------------|
|                    |                                   | Al2O3<br>% | BaO<br>% | CaO<br>% | Cr2O3<br>% | Fe2O3<br>% | K2O<br>% | MgO<br>% | MnO<br>% | Na2O<br>% | P2O5<br>% | SiO2<br>% | SrO<br>% | TiO2<br>% | OA-GRA05x<br>LOI 1000<br>% | Total<br>% |
| W935407            |                                   | 15.66      | 0.28     | 3.61     | 0.01       | 4.58       | 3.48     | 2.66     | 0.09     | 4.71      | 0.29      | 61.09     | 0.14     | 0.41      | 2.43                       | 99.97      |
| W935446            |                                   | 15.49      | 0.28     | 3.38     | 0.01       | 4.52       | 3.22     | 2.64     | 0.09     | 5.18      | 0.28      | 62.31     | 0.16     | 0.40      | 1.00                       | 99.45      |
| W935482            |                                   | 15.61      | 0.30     | 3.21     | 0.01       | 4.39       | 4.00     | 2.67     | 0.07     | 4.60      | 0.27      | 59.75     | 0.09     | 0.39      | 3.08                       | 100.00     |
| W935534            |                                   | 15.58      | 0.28     | 3.50     | 0.01       | 3.79       | 3.39     | 2.50     | 0.07     | 5.07      | 0.26      | 61.16     | 0.11     | 0.36      | 2.77                       | 99.16      |
| B280014            |                                   | 5.29       | 0.02     | 8.06     | 0.29       | 9.95       | 0.02     | 23.9     | 0.15     | 0.04      | 0.02      | 38.73     | 0.02     | 0.25      | 11.90                      | 99.24      |
| B280044            |                                   | 14.43      | 0.20     | 4.59     | 0.02       | 5.91       | 2.43     | 3.52     | 0.11     | 6.59      | 0.48      | 53.75     | 0.15     | 0.54      | 5.55                       | 100.05     |
| B280051            |                                   | 13.14      | 0.21     | 6.11     | 0.01       | 6.83       | 6.58     | 4.04     | 0.12     | 3.05      | 0.64      | 50.50     | 0.09     | 0.62      | 7.66                       | 100.05     |
| B280064            |                                   | 5.92       | 0.03     | 3.87     | 0.33       | 10.26      | 1.45     | 23.5     | 0.12     | 0.05      | 0.02      | 42.91     | 0.02     | 0.28      | 10.27                      | 99.64      |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*





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 North Vancouver BC V7H 0A7  
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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20068351**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81          | ME-MS81          | ME-MS81         | ME-MS81           | ME-MS81           | ME-MS81           | ME-MS81           | ME-MS81          | ME-MS81           | ME-MS81        | ME-MS81          | ME-MS81           | ME-MS81          | ME-MS81           |                  |
|--------------------|-----------------------------------|------------------|------------------|-----------------|-------------------|-------------------|-------------------|-------------------|------------------|-------------------|----------------|------------------|-------------------|------------------|-------------------|------------------|
|                    |                                   | Ba<br>ppm<br>0.5 | Ce<br>ppm<br>0.1 | Cr<br>ppm<br>10 | Cs<br>ppm<br>0.01 | Dy<br>ppm<br>0.05 | Er<br>ppm<br>0.03 | Eu<br>ppm<br>0.02 | Ga<br>ppm<br>0.1 | Gd<br>ppm<br>0.05 | Ge<br>ppm<br>5 | Hf<br>ppm<br>0.1 | Ho<br>ppm<br>0.01 | La<br>ppm<br>0.1 | Lu<br>ppm<br>0.01 | Nb<br>ppm<br>0.1 |
| W935407            |                                   | 2590             | 117.0            | 50              | 0.92              | 2.89              | 1.45              | 1.97              | 21.6             | 5.76              | <5             | 4.1              | 0.47              | 61.3             | 0.17              | 5.3              |
| W935446            |                                   | 2690             | 116.0            | 50              | 0.69              | 3.06              | 1.40              | 1.94              | 21.6             | 5.60              | <5             | 4.0              | 0.53              | 60.4             | 0.18              | 5.3              |
| W935482            |                                   | 2790             | 112.5            | 50              | 0.57              | 2.80              | 1.19              | 1.82              | 21.0             | 5.12              | <5             | 4.0              | 0.38              | 59.4             | 0.17              | 5.9              |
| W935534            |                                   | 2770             | 103.5            | 60              | 0.76              | 2.86              | 1.49              | 1.78              | 21.2             | 5.40              | <5             | 4.0              | 0.46              | 52.9             | 0.18              | 5.0              |
| B280014            |                                   | 93.2             | 1.9              | 2120            | 0.53              | 1.12              | 0.66              | 0.18              | 7.1              | 0.85              | <5             | 0.4              | 0.25              | 0.8              | 0.10              | 0.4              |
| B280044            |                                   | 1840             | 147.0            | 100             | 0.75              | 6.89              | 2.73              | 3.88              | 21.8             | 14.35             | <5             | 8.4              | 1.00              | 70.6             | 0.31              | 11.2             |
| B280051            |                                   | 1890             | 119.0            | 50              | 0.88              | 5.06              | 2.35              | 2.95              | 19.3             | 10.90             | <5             | 5.8              | 0.81              | 58.6             | 0.25              | 6.8              |
| B280064            |                                   | 144.0            | 1.9              | 2270            | 4.90              | 1.12              | 0.68              | 0.19              | 7.7              | 0.96              | <5             | 0.4              | 0.25              | 0.9              | 0.10              | 0.5              |



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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20068351**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81          | ME-MS81           | ME-MS81          | ME-MS81           | ME-MS81        | ME-MS81          | ME-MS81          | ME-MS81           | ME-MS81           | ME-MS81           | ME-MS81          | ME-MS81       | ME-MS81       | ME-MS81         |                   |
|--------------------|-----------------------------------|------------------|-------------------|------------------|-------------------|----------------|------------------|------------------|-------------------|-------------------|-------------------|------------------|---------------|---------------|-----------------|-------------------|
|                    |                                   | Nd<br>ppm<br>0.1 | Pr<br>ppm<br>0.02 | Rb<br>ppm<br>0.2 | Sm<br>ppm<br>0.03 | Sn<br>ppm<br>1 | Sr<br>ppm<br>0.1 | Ta<br>ppm<br>0.1 | Tb<br>ppm<br>0.01 | Th<br>ppm<br>0.05 | Tm<br>ppm<br>0.01 | U<br>ppm<br>0.05 | V<br>ppm<br>5 | W<br>ppm<br>1 | Y<br>ppm<br>0.1 | Yb<br>ppm<br>0.03 |
| W935407            |                                   | 49.2             | 13.60             | 77.0             | 8.71              | 1              | 1145             | 0.3              | 0.57              | 11.30             | 0.18              | 2.70             | 100           | 1             | 13.4            | 1.27              |
| W935446            |                                   | 48.9             | 13.35             | 65.8             | 8.23              | 1              | 1385             | 0.3              | 0.60              | 10.65             | 0.20              | 2.65             | 93            | 1             | 13.8            | 1.24              |
| W935482            |                                   | 48.0             | 13.15             | 55.6             | 8.52              | 1              | 807              | 0.3              | 0.58              | 9.58              | 0.17              | 2.01             | 94            | 1             | 11.6            | 1.06              |
| W935534            |                                   | 44.5             | 12.05             | 72.7             | 8.07              | 1              | 981              | 0.3              | 0.56              | 10.30             | 0.20              | 2.30             | 87            | 1             | 13.9            | 1.38              |
| B280014            |                                   | 1.6              | 0.28              | 1.4              | 0.52              | <1             | 205              | <0.1             | 0.15              | <0.05             | 0.12              | <0.05            | 117           | <1            | 6.0             | 0.59              |
| B280044            |                                   | 75.4             | 19.00             | 41.0             | 17.90             | 3              | 1320             | 0.5              | 1.45              | 18.60             | 0.36              | 6.96             | 136           | 2             | 29.5            | 2.51              |
| B280051            |                                   | 61.7             | 15.30             | 80.8             | 14.05             | 2              | 774              | 0.3              | 1.08              | 10.85             | 0.29              | 4.45             | 173           | 1             | 22.9            | 1.76              |
| B280064            |                                   | 1.6              | 0.30              | 48.5             | 0.63              | <1             | 179.5            | <0.1             | 0.17              | 0.05              | 0.10              | 0.06             | 128           | 1             | 6.2             | 0.66              |



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 North Vancouver BC V7H 0A7  
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 Finalized Date: 8-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20068351**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 |
|--------------------|-----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|---------|---------|
|                    |                                   | Zr      | Ag        | Cd        | Co        | Cu        | Li        | Mo        | Ni        | Pb        | Sc        | Zn        | As      | Bi      | Hg      | In      |
|                    |                                   | ppm     | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm     | ppm     | ppm     | ppm     |
|                    |                                   | 2       | 0.5       | 0.5       | 1         | 1         | 10        | 1         | 1         | 2         | 1         | 2         | 0.1     | 0.01    | 0.005   | 0.005   |
| W935407            |                                   | 166     | <0.5      | <0.5      | 12        | 28        | <10       | <1        | 16        | 25        | 9         | 66        | 0.5     | 0.10    | <0.005  | 0.018   |
| W935446            |                                   | 154     | <0.5      | <0.5      | 13        | 89        | <10       | <1        | 22        | 26        | 9         | 69        | 0.3     | 0.08    | <0.005  | 0.014   |
| W935482            |                                   | 158     | <0.5      | <0.5      | 12        | 110       | <10       | 1         | 21        | 19        | 8         | 59        | 0.3     | 0.45    | <0.005  | 0.022   |
| W935534            |                                   | 152     | <0.5      | <0.5      | 11        | 92        | 10        | <1        | 15        | 27        | 8         | 50        | 0.3     | 0.04    | <0.005  | 0.028   |
| B280014            |                                   | 14      | <0.5      | <0.5      | 85        | 59        | 10        | 1         | 1240      | 9         | 18        | 51        | 1.0     | 0.09    | <0.005  | 0.017   |
| B280044            |                                   | 319     | <0.5      | <0.5      | 18        | 159       | 10        | <1        | 33        | 40        | 11        | 41        | 0.5     | 0.17    | <0.005  | 0.038   |
| B280051            |                                   | 221     | <0.5      | <0.5      | 20        | 92        | 10        | <1        | 28        | 29        | 16        | 47        | 0.3     | 0.11    | <0.005  | 0.034   |
| B280064            |                                   | 14      | <0.5      | <0.5      | 88        | 55        | 40        | <1        | 1270      | 5         | 20        | 68        | 0.2     | 0.06    | <0.005  | 0.026   |



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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20068351**

| Sample Description | Method  | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 | S-IR08 | C-IR07 |
|--------------------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
|                    | Analyte | Re      | Sb      | Sc      | Se      | Te      | Tl      | S      | C      |
| Units              |         | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | %      | %      |
| LOD                |         | 0.001   | 0.05    | 0.1     | 0.2     | 0.01    | 0.02    | 0.01   | 0.01   |
| W935407            |         | <0.001  | 0.05    | 5.5     | 0.4     | 0.01    | 0.13    | 0.16   | 0.45   |
| W935446            |         | 0.001   | <0.05   | 2.2     | <0.2    | <0.01   | 0.07    | 0.14   | 0.13   |
| W935482            |         | <0.001  | 0.05    | 5.6     | 0.7     | 0.05    | 0.03    | 0.57   | 0.58   |
| W935534            |         | <0.001  | 0.05    | 6.3     | <0.2    | 0.01    | 0.04    | 0.08   | 0.52   |
| B280014            |         | 0.001   | <0.05   | 9.0     | 0.2     | 0.04    | <0.02   | 0.13   | 1.86   |
| B280044            |         | <0.001  | 0.07    | 10.3    | 0.7     | 0.03    | 0.16    | 0.67   | 1.64   |
| B280051            |         | <0.001  | 0.05    | 17.8    | 0.2     | 0.01    | 0.15    | 0.13   | 2.26   |
| B280064            |         | <0.001  | <0.05   | 22.9    | 0.2     | 0.04    | 0.48    | 0.15   | 1.64   |



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Total # Appendix Pages: **1**  
Finalized Date: **8-APR-2020**  
Account: **GOLHIGH**

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20068351**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

|                    |                                                                                        |          |           |         |
|--------------------|----------------------------------------------------------------------------------------|----------|-----------|---------|
| Applies to Method: | Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. |          |           |         |
|                    | C-IR07                                                                                 | FND-02   | ME-4ACD81 | ME-MS42 |
|                    | ME-MS81                                                                                | ME-XRF26 | OA-GRA05x | S-IR08  |



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 Finalized Date: 8-APR-2020  
 Account: GOLHIGH

**QC CERTIFICATE TM20068351**

Project: Golden Perimeter

This report is for 8 Drill Core samples submitted to our lab in Timmins, ON, Canada on 23-MAR-2020.

The following have access to data associated with this certificate:

|                              |              |              |
|------------------------------|--------------|--------------|
| IAN DUNLOP<br>CONOR MCKINLEY | DARWIN GREEN | NEAL MAGUIRE |
|------------------------------|--------------|--------------|

| SAMPLE PREPARATION |                               |
|--------------------|-------------------------------|
| ALS CODE           | DESCRIPTION                   |
| FND-02             | Find Sample for Addn Analysis |

| ANALYTICAL PROCEDURES |                                 |            |
|-----------------------|---------------------------------|------------|
| ALS CODE              | DESCRIPTION                     | INSTRUMENT |
| ME-XRF26              | Whole Rock By Fusion/XRF        | XRF        |
| OA-GRA05x             | LOI for XRF                     | WST-SEQ    |
| ME-MS42               | Up to 34 elements by ICP-MS     | ICP-MS     |
| S-IR08                | Total Sulphur (IR Spectroscopy) | LECO       |
| C-IR07                | Total Carbon (IR Spectroscopy)  | LECO       |
| ME-MS81               | Lithium Borate Fusion ICP-MS    | ICP-MS     |
| ME-4ACD81             | Base Metals by 4-acid dig.      | ICP-AES    |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:   
 Saa Traxler, General Manager, North Vancouver



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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20068351**

| Method Analyte Units LOD   | ME-XRF26 Al2O3 % | ME-XRF26 BaO % | ME-XRF26 CaO % | ME-XRF26 Cr2O3 % | ME-XRF26 Fe2O3 % | ME-XRF26 K2O % | ME-XRF26 MgO % | ME-XRF26 MnO % | ME-XRF26 Na2O % | ME-XRF26 P2O5 % | ME-XRF26 SiO2 % | ME-XRF26 SrO % | ME-XRF26 TiO2 % | OA-GRA05x LOI 1000 % | ME-XRF26 Total % |
|----------------------------|------------------|----------------|----------------|------------------|------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------------|------------------|
| Sample Description         | 0.01             | 0.01           | 0.01           | 0.01             | 0.01             | 0.01           | 0.01           | 0.01           | 0.01            | 0.01            | 0.01            | 0.01           | 0.01            | 0.01                 | 0.01             |
| <b>STANDARDS</b>           |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| AMIS0304                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| AMIS0461                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 38.48            |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 36.66            |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 40.54            |
| DS-1                       |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| GS313-8                    |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| MRGeo08                    |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| MRGeo08                    |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 146                  |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 218                  | 13.47            | 0.03           | 9.95           | 0.03             | 12.11            | 0.23           | 7.21           | 0.19           | 2.96            | 0.10            | 49.34           | 0.02           | 1.11            |                      | 97.26            |
| Target Range - Lower Bound | 13.04            | <0.01          | 9.73           | <0.01            | 11.63            | 0.20           | 6.81           | 0.16           | 2.75            | 0.07            | 48.02           | <0.01          | 1.04            |                      | <0.01            |
| Upper Bound                | 13.96            | 0.04           | 10.45          | 0.05             | 12.47            | 0.26           | 7.39           | 0.22           | 3.05            | 0.13            | 50.38           | 0.03           | 1.20            |                      | 0.02             |
| OREAS 220                  | 13.73            | 0.03           | 9.61           | 0.04             | 11.49            | 0.46           | 7.10           | 0.17           | 2.78            | 0.18            | 50.70           | 0.03           | 1.28            |                      | 98.08            |
| Target Range - Lower Bound | 13.12            | <0.01          | 9.28           | 0.02             | 11.00            | 0.42           | 6.92           | 0.14           | 2.60            | 0.15            | 49.10           | <0.01          | 1.19            |                      | <0.01            |
| Upper Bound                | 14.04            | 0.05           | 10.00          | 0.06             | 11.80            | 0.51           | 7.50           | 0.20           | 2.90            | 0.21            | 51.50           | 0.05           | 1.37            |                      | 0.02             |
| OREAS 501b                 |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 602                  |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS-101b                 |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| SCH-1                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 2.72             |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20068351**

| Sample Description         | Method  | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |       |
|----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|
|                            | Analyte | Ba      | Ce      | Cr      | Cs      | Dy      | Er      | Eu      | Ga      | Gd      | Ge      | Hf      | Ho      | La      | Lu      | Nb    |
| Units                      |         | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm   |
| LOD                        |         | 0.5     | 0.1     | 10      | 0.01    | 0.05    | 0.03    | 0.02    | 0.1     | 0.05    | 5       | 0.1     | 0.01    | 0.1     | 0.01    | 0.1   |
| <b>STANDARDS</b>           |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| AMIS0304                   |         | 2550    | 8370    | 90      | 0.37    | 136.5   | 34.6    | 138.5   | 47.5    | 342     | 6       | 26.0    | 17.55   | 3410    | 1.94    | >2500 |
| Target Range - Lower Bound |         | 2340    | 7280    | 70      | 0.35    | 119.0   | 30.6    | 135.0   | 47.8    | 309     | <5      | 25.1    | 16.20   | 3250    | 1.84    | 4670  |
| Upper Bound                |         | 2860    | 8900    | 120     | 0.45    | 145.5   | 37.4    | 165.0   | 58.7    | 377     | 18      | 30.9    | 19.80   | 3970    | 2.27    | >2500 |
| AMIS0461                   |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| DS-1                       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| GS313-8                    |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| MRGeo08                    |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| MRGeo08                    |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| OREAS 146                  |         | >10000  | 4980    | 200     | 0.55    | 239     | 90.1    | 126.5   | 27.7    | 369     | <5      | 4.5     | 37.2    | 2620    | 6.45    | 400   |
| Target Range - Lower Bound |         | 11450   | 4220    | 160     | 0.47    | 202     | 78.3    | 114.5   | 26.2    | 323     | <5      | 3.7     | 33.1    | 2260    | 5.66    | 349   |
| Upper Bound                |         | >10000  | 5160    | 220     | 0.59    | 246     | 95.7    | 139.5   | 32.2    | 395     | 15      | 4.7     | 40.5    | 2760    | 6.94    | 427   |
| OREAS 218                  |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| OREAS 220                  |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| OREAS 501b                 |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| OREAS 602                  |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Target Range - Lower Bound |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Upper Bound                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| OREAS-101b                 |         | 184.0   | 1350    | 30      | 2.34    | 31.8    | 19.40   | 7.20    | 27.6    | 34.6    | <5      | 10.3    | 6.35    | 778     | 2.45    | 55.5  |
| Target Range - Lower Bound |         |         | 1200    |         |         | 28.8    | 16.80   | 6.97    |         | 32.4    |         |         | 5.70    | 710     | 2.31    |       |
| Upper Bound                |         |         | 1465    |         |         | 35.4    | 20.6    | 8.57    |         | 39.7    |         |         | 6.98    | 868     | 2.85    |       |
| SCH-1                      |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20068351**

| Sample Description         | Method Analyte Units LOD | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |        |
|----------------------------|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
|                            |                          | Nd ppm  | Pr ppm  | Rb ppm  | Sm ppm  | Sn ppm  | Sr ppm  | Ta ppm  | Tb ppm  | Th ppm  | Tm ppm  | U ppm   | V ppm   | W ppm   | Y ppm   | Yb ppm |
| <b>STANDARDS</b>           |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| AMIS0304                   |                          | 4240    | >1000   | 9.8     | 590     | 24      | 3470    | 11.8    | 32.8    | 442     | 3.25    | 22.4    | 351     | 5       | 407     | 16.85  |
| Target Range - Lower Bound |                          | 3610    | 925     | 9.3     | 543     | 22      | 3060    | 11.1    | 30.8    | 406     | 3.14    | 21.6    | 331     | 3       | 369     | 15.25  |
| Upper Bound                |                          | 4410    | >1000   | 11.8    | 664     | 29      | 3740    | 13.8    | 37.7    | 496     | 3.86    | 26.5    | 415     | 7       | 451     | 18.75  |
| AMIS0461                   |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| DS-1                       |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| GS313-8                    |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| MRGeo08                    |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| MRGeo08                    |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 146                  |                          | 2330    | 587     | 26.0    | 476     | 44      | 3260    | 3.9     | 46.2    | 935     | 10.20   | 2.58    | 164     | 30      | 970     | 54.7   |
| Target Range - Lower Bound |                          | 1965    | 493     | 23.7    | 397     | 40      | 2790    | 3.6     | 42.5    | 813     | 8.90    | 2.37    | 140     | 25      | 814     | 48.1   |
| Upper Bound                |                          | 2400    | 603     | 29.5    | 485     | 52      | 3410    | 4.6     | 51.9    | 993     | 10.90   | 3.01    | 182     | 33      | 996     | 58.9   |
| OREAS 218                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 220                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 501b                 |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS 602                  |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Target Range - Lower Bound |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| Upper Bound                |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| OREAS-101b                 |                          | 387     | 123.0   | 174.0   | 47.0    | 9       | 20.1    | 2.7     | 5.06    | 34.7    | 2.72    | 402     | 78      | 19      | 161.5   | 17.50  |
| Target Range - Lower Bound |                          | 340     | 114.5   |         | 43.2    |         |         |         | 4.82    | 32.7    | 2.38    | 348     | 66      |         | 160.0   |        |
| Upper Bound                |                          | 416     | 139.5   |         | 52.8    |         |         |         | 5.92    | 40.1    | 2.94    | 426     | 94      |         | 196.0   |        |
| SCH-1                      |                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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**QC CERTIFICATE OF ANALYSIS TM20068351**

| Method Analyte Units LOD   | ME-MS81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 |  |
|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|---------|---------|--|
| Sample Description         | Zr ppm  | Ag ppm    | Cd ppm    | Co ppm    | Cu ppm    | Li ppm    | Mo ppm    | Ni ppm    | Pb ppm    | Sc ppm    | Zn ppm    | As ppm  | Bi ppm  | Hg ppm  | In ppm  |  |
|                            | 2       | 0.5       | 0.5       | 1         | 1         | 10        | 1         | 1         | 2         | 1         | 2         | 0.1     | 0.01    | 0.005   | 0.005   |  |
| <b>STANDARDS</b>           |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| AMIS0304                   | 1160    |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Target Range - Lower Bound | 1005    |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Upper Bound                | 1230    |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| AMIS0461                   |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| DS-1                       |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| GS313-8                    |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| MRGeo08                    |         | 4.4       | 2.3       | 21        | 635       | 40        | 14        | 704       | 1100      | 11        | 806       |         |         |         |         |  |
| Target Range - Lower Bound |         | 3.2       | 1.1       | 17        | 586       | <10       | 12        | 621       | 969       | 10        | 722       |         |         |         |         |  |
| Upper Bound                |         | 5.6       | 3.4       | 23        | 676       | 50        | 18        | 761       | 1190      | 15        | 886       |         |         |         |         |  |
| MRGeo08                    |         |           |           |           |           |           |           |           |           |           |           | 33.2    | 0.64    | 0.060   | 0.159   |  |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           | 29.6    | 0.58    | 0.045   | 0.137   |  |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           | 36.4    | 0.73    | 0.077   | 0.179   |  |
| OREAS 146                  | 253     |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Target Range - Lower Bound | 204     |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Upper Bound                | 254     |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| OREAS 218                  |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| OREAS 220                  |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| OREAS 501b                 |         |           |           |           |           |           |           |           |           |           |           | 21.1    | 1.40    | 0.017   | 0.182   |  |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           | 16.9    | 1.43    | 0.006   |         |  |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           | 20.9    | 1.77    | 0.030   |         |  |
| OREAS 602                  |         | >100      | 25.2      | 10        | 5100      | 20        | 4         | 61        | 1020      | 4         | 4000      |         |         |         |         |  |
| Target Range - Lower Bound |         | 107.5     | 21.7      | 7         | 4790      | <10       | 2         | 53        | 918       | 2         | 3770      |         |         |         |         |  |
| Upper Bound                |         | 100.0     | 27.7      | 12        | 5510      | 40        | 7         | 67        | 1125      | 6         | 4610      |         |         |         |         |  |
| OREAS-101b                 | 393     |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| SCH-1                      |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Plus Appendix Pages  
 Finalized Date: 8-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20068351**

| Sample Description         | Method Analyte Units LOD | ME-MS42<br>Re<br>ppm<br>0.001 | ME-MS42<br>Sb<br>ppm<br>0.05 | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02 | S-IR08<br>S<br>%<br>0.01 | C-IR07<br>C<br>%<br>0.01 |
|----------------------------|--------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------|--------------------------|
| <b>STANDARDS</b>           |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| AMIS0304                   |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| AMIS0461                   |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| DS-1                       |                          |                               |                              |                             |                             |                              | 2.70                         | 3.13                     |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              | 2.51                         | 3.01                     |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              | 2.71                         | 3.25                     |                          |
| GS313-8                    |                          |                               |                              |                             |                             |                              | 1.25                         | 0.95                     |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              | 1.19                         | 0.90                     |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              | 1.29                         | 0.98                     |                          |
| MGeo08                     |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| MGeo08                     |                          | 0.007                         | 3.20                         | 7.8                         | 0.9                         | 0.02                         | 0.81                         |                          |                          |
| Target Range - Lower Bound |                          | 0.006                         | 2.80                         | 6.7                         | 0.6                         | <0.01                        | 0.64                         |                          |                          |
| Upper Bound                |                          | 0.010                         | 3.90                         | 8.4                         | 1.5                         | 0.04                         | 0.92                         |                          |                          |
| OREAS 146                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 218                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 220                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 501b                 |                          | 0.003                         | 0.51                         | 6.9                         | 2.9                         | 0.07                         | 0.64                         |                          |                          |
| Target Range - Lower Bound |                          |                               | 0.34                         | 6.3                         | 2.2                         | 0.05                         | 0.57                         |                          |                          |
| Upper Bound                |                          |                               | 0.64                         | 7.9                         | 3.3                         | 0.10                         | 0.81                         |                          |                          |
| OREAS 602                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS-101b                 |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| SCH-1                      |                          |                               |                              |                             |                             |                              |                              |                          |                          |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20068351**

| Method Analyte Units LOD   | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26   |
|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------------|
| Sample Description         | Al2O3    | BaO      | CaO      | Cr2O3    | Fe2O3    | K2O      | MgO      | MnO      | Na2O     | P2O5     | SiO2     | SrO      | TiO2     | LOI 1000 | Total    |          |            |
|                            | %        | %        | %        | %        | %        | %        | %        | %        | %        | %        | %        | %        | %        | %        | %        | %        | %          |
|                            | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01       |
| <b>STANDARDS</b>           |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |
| Target Range - Lower Bound |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 2.58     |          |            |
| Upper Bound                |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 2.88     |          |            |
| SY-4                       |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |
| Target Range - Lower Bound |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |
| Upper Bound                |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |
| <b>BLANKS</b>              |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |
| BLANK                      |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |
| Target Range - Lower Bound |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |
| Upper Bound                |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |
| BLANK                      |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |
| Target Range - Lower Bound |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |
| Upper Bound                |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |
| BLANK                      |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |
| BLANK                      |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |
| Target Range - Lower Bound | <0.01    | <0.01    | <0.01    | <0.01    | <0.01    | <0.01    | <0.01    | <0.01    | <0.01    | <0.01    | 99.08    | <0.01    | <0.01    |          |          |          | 99.08      |
| Upper Bound                | <0.01    | <0.01    | <0.01    | <0.01    | <0.01    | <0.01    | <0.01    | <0.01    | <0.01    | <0.01    | <0.01    | <0.01    | <0.01    |          |          |          | <0.01      |
| BLANK                      | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     |          |          |          | 0.02       |
| BLANK                      |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |
| Target Range - Lower Bound |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |
| Upper Bound                |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | <0.01      |
| BLANK                      |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |
| Target Range - Lower Bound |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 0.02000000 |
| Upper Bound                |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20068351**

| Sample Description         | Method<br>Analyte<br>Units<br>LOD | ME-MS81<br>Ba<br>ppm<br>0.5 | ME-MS81<br>Ce<br>ppm<br>0.1 | ME-MS81<br>Cr<br>ppm<br>10 | ME-MS81<br>Cs<br>ppm<br>0.01 | ME-MS81<br>Dy<br>ppm<br>0.05 | ME-MS81<br>Er<br>ppm<br>0.03 | ME-MS81<br>Eu<br>ppm<br>0.02 | ME-MS81<br>Ga<br>ppm<br>0.1 | ME-MS81<br>Gd<br>ppm<br>0.05 | ME-MS81<br>Ge<br>ppm<br>5 | ME-MS81<br>Hf<br>ppm<br>0.1 | ME-MS81<br>Ho<br>ppm<br>0.01 | ME-MS81<br>La<br>ppm<br>0.1 | ME-MS81<br>Lu<br>ppm<br>0.01 | ME-MS81<br>Nb<br>ppm<br>0.1 |
|----------------------------|-----------------------------------|-----------------------------|-----------------------------|----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|------------------------------|---------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|-----------------------------|
| <b>STANDARDS</b>           |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| SY-4                       |                                   | 339                         | 115.5                       | 20                         | 1.48                         | 19.65                        | 14.95                        | 1.66                         | 36.9                        | 14.70                        | <5                        | 11.2                        | 4.32                         | 55.7                        | 2.12                         | 13.2                        |
| Target Range - Lower Bound |                                   | 306                         | 109.5                       | <10                        | 1.34                         | 16.35                        | 12.75                        | 1.78                         | 33.1                        | 12.55                        | <5                        | 9.9                         | 3.86                         | 52.1                        | 1.88                         | 11.6                        |
| Upper Bound                |                                   | 375                         | 134.5                       | 30                         | 1.66                         | 20.1                         | 15.65                        | 2.22                         | 40.7                        | 15.45                        | 12                        | 12.3                        | 4.74                         | 63.9                        | 2.32                         | 14.4                        |
| <b>BLANKS</b>              |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| BLANK                      |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| BLANK                      |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| BLANK                      |                                   | 2.4                         | <0.1                        | 10                         | 0.01                         | <0.05                        | <0.03                        | <0.02                        | 1.1                         | <0.05                        | <5                        | <0.1                        | 0.01                         | 0.1                         | <0.01                        | <0.1                        |
| BLANK                      |                                   | <0.5                        | <0.1                        | <10                        | <0.01                        | <0.05                        | <0.03                        | <0.02                        | <0.1                        | <0.05                        | <5                        | <0.1                        | <0.01                        | 0.1                         | <0.01                        | <0.1                        |
| Target Range - Lower Bound |                                   | <0.5                        | <0.1                        | <10                        | <0.01                        | <0.05                        | <0.03                        | <0.02                        | <0.1                        | <0.05                        |                           | <0.1                        | <0.01                        | <0.1                        | <0.01                        | <0.1                        |
| Upper Bound                |                                   | 1.0                         | 0.2                         | 20                         | 0.02                         | 0.10                         | 0.06                         | 0.04                         | 0.2                         | 0.10                         |                           | 0.2                         | 0.02                         | 0.2                         | 0.02                         | 0.2                         |
| BLANK                      |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| BLANK                      |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| BLANK                      |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20068351**

| Sample Description         | Method<br>Analyte<br>Units<br>LOD | ME-MS81<br>Nd<br>ppm<br>0.1 | ME-MS81<br>Pr<br>ppm<br>0.02 | ME-MS81<br>Rb<br>ppm<br>0.2 | ME-MS81<br>Sm<br>ppm<br>0.03 | ME-MS81<br>Sn<br>ppm<br>1 | ME-MS81<br>Sr<br>ppm<br>0.1 | ME-MS81<br>Ta<br>ppm<br>0.1 | ME-MS81<br>Tb<br>ppm<br>0.01 | ME-MS81<br>Th<br>ppm<br>0.05 | ME-MS81<br>Tm<br>ppm<br>0.01 | ME-MS81<br>U<br>ppm<br>0.05 | ME-MS81<br>V<br>ppm<br>5 | ME-MS81<br>W<br>ppm<br>1 | ME-MS81<br>Y<br>ppm<br>0.1 | ME-MS81<br>Yb<br>ppm<br>0.03 |  |
|----------------------------|-----------------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|---------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|--------------------------|--------------------------|----------------------------|------------------------------|--|
| <b>STANDARDS</b>           |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |  |
| Target Range - Lower Bound |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |  |
| Upper Bound                |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |  |
| SY-4                       |                                   | 53.1                        | 14.05                        | 50.9                        | 12.25                        | 7                         | 1185                        | 0.7                         | 2.62                         | 1.11                         | 2.25                         | 0.75                        | 16                       | 1                        | 112.5                      | 15.65                        |  |
| Target Range - Lower Bound |                                   | 51.2                        | 13.50                        | 49.3                        | 11.40                        | 6                         | 1070                        | 0.7                         | 2.33                         | 1.11                         | 2.06                         | 0.66                        | <5                       | <1                       | 107.0                      | 13.30                        |  |
| Upper Bound                |                                   | 62.8                        | 16.50                        | 60.7                        | 14.00                        | 10                        | 1310                        | 1.1                         | 2.87                         | 1.47                         | 2.54                         | 0.94                        | 18                       | 3                        | 131.0                      | 16.30                        |  |
| <b>BLANKS</b>              |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |  |
| BLANK                      |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |  |
| Target Range - Lower Bound |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |  |
| Upper Bound                |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |  |
| BLANK                      |                                   | <0.1                        | <0.02                        | <0.2                        | <0.03                        | <1                        | 1.0                         | <0.1                        | 0.01                         | <0.05                        | <0.01                        | <0.05                       | <5                       | 1                        | <0.1                       | <0.03                        |  |
| BLANK                      |                                   | <0.1                        | <0.02                        | <0.2                        | <0.03                        | <1                        | 0.1                         | <0.1                        | <0.01                        | <0.05                        | <0.01                        | <0.05                       | 6                        | 1                        | <0.1                       | <0.03                        |  |
| Target Range - Lower Bound |                                   | <0.1                        | <0.02                        | <0.2                        | <0.03                        | <1                        | <0.1                        | <0.1                        | <0.01                        | <0.05                        | <0.01                        | <0.05                       | <5                       | <1                       | <0.1                       | <0.03                        |  |
| Upper Bound                |                                   | 0.2                         | 0.04                         | 0.4                         | 0.06                         | 2                         | 0.2                         | 0.2                         | 0.02                         | 0.10                         | 0.02                         | 0.10                        | 10                       | 2                        | 0.2                        | 0.06                         |  |
| BLANK                      |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |  |
| Target Range - Lower Bound |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |  |
| Upper Bound                |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |  |
| BLANK                      |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |  |
| Target Range - Lower Bound |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |  |
| Upper Bound                |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |  |
| BLANK                      |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |  |
| Target Range - Lower Bound |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |  |
| Upper Bound                |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |  |



ALS Canada Ltd.  
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 North Vancouver BC V7H 0A7  
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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Plus Appendix Pages  
 Finalized Date: 8-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20068351**

| Sample Description         | Method Analyte Units LOD | ME-MS81<br>Zr<br>ppm<br>2 | ME-4ACD81<br>Ag<br>ppm<br>0.5 | ME-4ACD81<br>Cd<br>ppm<br>0.5 | ME-4ACD81<br>Co<br>ppm<br>1 | ME-4ACD81<br>Cu<br>ppm<br>1 | ME-4ACD81<br>Li<br>ppm<br>10 | ME-4ACD81<br>Mo<br>ppm<br>1 | ME-4ACD81<br>Ni<br>ppm<br>1 | ME-4ACD81<br>Pb<br>ppm<br>2 | ME-4ACD81<br>Sc<br>ppm<br>1 | ME-4ACD81<br>Zn<br>ppm<br>2 | ME-MS42<br>As<br>ppm<br>0.1 | ME-MS42<br>Bi<br>ppm<br>0.01 | ME-MS42<br>Hg<br>ppm<br>0.005 | ME-MS42<br>In<br>ppm<br>0.005 |  |
|----------------------------|--------------------------|---------------------------|-------------------------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|--|
| <b>STANDARDS</b>           |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| SY-4                       |                          | 580                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          | 543                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Upper Bound                |                          | 668                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| <b>BLANKS</b>              |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| BLANK                      |                          | <0.5                      | <0.5                          | <1                            | <1                          | <10                         | <1                           | <1                          | <2                          | <1                          | <2                          |                             |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          | <0.5                      | <0.5                          | <1                            | <1                          |                             | <1                           | <1                          | <2                          |                             | <2                          |                             |                             |                              |                               |                               |  |
| Upper Bound                |                          | 1.0                       | 1.0                           | 2                             | 2                           |                             | 2                            | 2                           | 4                           |                             | 4                           |                             |                             |                              |                               |                               |  |
| BLANK                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | <0.1                        | <0.01                        | <0.005                        | <0.005                        |  |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | <0.1                        | <0.01                        | <0.005                        | <0.005                        |  |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 0.2                         | 0.02                         | 0.010                         | 0.010                         |  |
| BLANK                      |                          | <2                        |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| BLANK                      |                          | <2                        |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          | <2                        |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Upper Bound                |                          | 4                         |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| BLANK                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| BLANK                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| BLANK                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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To: HIGHGOLD MINING  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20068351**

| Sample Description         | Method Analyte Units LOD | ME-MS42 Re ppm | ME-MS42 Sb ppm | ME-MS42 Sc ppm | ME-MS42 Se ppm | ME-MS42 Te ppm | ME-MS42 Tl ppm | S-IR08 S % | C-IR07 C % |
|----------------------------|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|------------|------------|
| <b>STANDARDS</b>           |                          |                |                |                |                |                |                |            |            |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |            |            |
| Upper Bound                |                          |                |                |                |                |                |                |            |            |
| SY-4                       |                          |                |                |                |                |                |                |            |            |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |            |            |
| Upper Bound                |                          |                |                |                |                |                |                |            |            |
| <b>BLANKS</b>              |                          |                |                |                |                |                |                |            |            |
| BLANK                      |                          | <0.001         | <0.05          | <0.1           | <0.2           | <0.01          | <0.02          |            |            |
| Target Range - Lower Bound |                          | <0.001         | <0.05          | <0.1           | <0.2           | <0.01          | <0.02          |            |            |
| Upper Bound                |                          | 0.002          | 0.10           | 0.2            | 0.4            | 0.02           | 0.04           |            |            |
| BLANK                      |                          |                |                |                |                |                |                |            |            |
| BLANK                      |                          |                |                |                |                |                |                |            |            |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |            |            |
| Upper Bound                |                          |                |                |                |                |                |                |            |            |
| BLANK                      |                          |                |                |                |                |                |                |            |            |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |            |            |
| Upper Bound                |                          |                |                |                |                |                |                |            |            |
| BLANK                      |                          |                |                |                |                |                |                |            |            |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |            |            |
| Upper Bound                |                          |                |                |                |                |                |                |            |            |
| BLANK                      |                          |                |                |                |                |                |                | <0.01      | <0.01      |
| Target Range - Lower Bound |                          |                |                |                |                |                |                | <0.01      | <0.01      |
| Upper Bound                |                          |                |                |                |                |                |                | 0.02       | 0.02       |





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM20068351**

| Method Analyte Units LOD   | ME-XRF26 Al2O3 %  | ME-XRF26 BaO % | ME-XRF26 CaO % | ME-XRF26 Cr2O3 % | ME-XRF26 Fe2O3 % | ME-XRF26 K2O % | ME-XRF26 MgO % | ME-XRF26 MnO % | ME-XRF26 Na2O % | ME-XRF26 P2O5 % | ME-XRF26 SiO2 % | ME-XRF26 SrO % | ME-XRF26 TiO2 % | OA-GRA05x LOI 1000 % | ME-XRF26 Total % |
|----------------------------|-------------------|----------------|----------------|------------------|------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------------|------------------|
| Sample Description         | 0.01              | 0.01           | 0.01           | 0.01             | 0.01             | 0.01           | 0.01           | 0.01           | 0.01            | 0.01            | 0.01            | 0.01           | 0.01            | 0.01                 | 0.01             |
| ORIGINAL DUP               | <b>DUPLICATES</b> |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                   |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                   |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| ORIGINAL DUP               |                   |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                   |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                   |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| B280014 DUP                |                   |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                   |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                   |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| B280044 DUP                |                   |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 5.55             |
| Target Range - Lower Bound |                   |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 5.61             |
| Upper Bound                |                   |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 5.43             |
|                            |                   |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 5.73             |
| B280064 DUP                | 5.92              | 0.03           | 3.87           | 0.33             | 10.26            | 1.45           | 23.5           | 0.12           | 0.05            | 0.02            | 42.91           | 0.02           | 0.28            |                      | 99.64            |
| Target Range - Lower Bound | 5.97              | 0.03           | 3.89           | 0.33             | 10.29            | 1.46           | 23.5           | 0.12           | 0.06            | 0.02            | 43.08           | 0.03           | 0.28            |                      | 99.96            |
| Upper Bound                | 5.85              | 0.02           | 3.81           | 0.31             | 10.11            | 1.41           | 23.1           | 0.11           | 0.04            | <0.01           | 42.34           | <0.01          | 0.26            |                      | 98.79            |
|                            | 6.04              | 0.04           | 3.95           | 0.35             | 10.44            | 1.50           | 23.9           | 0.13           | 0.07            | 0.03            | 43.65           | 0.04           | 0.30            |                      | 100.80           |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20068351**

| Sample Description         | Method<br>Analyte<br>Units<br>LOD | ME-MS81<br>Ba<br>ppm<br>0.5 | ME-MS81<br>Ce<br>ppm<br>0.1 | ME-MS81<br>Cr<br>ppm<br>10 | ME-MS81<br>Cs<br>ppm<br>0.01 | ME-MS81<br>Dy<br>ppm<br>0.05 | ME-MS81<br>Er<br>ppm<br>0.03 | ME-MS81<br>Eu<br>ppm<br>0.02 | ME-MS81<br>Ga<br>ppm<br>0.1 | ME-MS81<br>Gd<br>ppm<br>0.05 | ME-MS81<br>Ge<br>ppm<br>5 | ME-MS81<br>Hf<br>ppm<br>0.1 | ME-MS81<br>Ho<br>ppm<br>0.01 | ME-MS81<br>La<br>ppm<br>0.1 | ME-MS81<br>Lu<br>ppm<br>0.01 | ME-MS81<br>Nb<br>ppm<br>0.1 |
|----------------------------|-----------------------------------|-----------------------------|-----------------------------|----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|------------------------------|---------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|-----------------------------|
| <b>DUPLICATES</b>          |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| ORIGINAL                   |                                   | 11.2                        | 11.7                        | 40                         | 0.10                         | 3.85                         | 2.49                         | 0.76                         | 9.0                         | 3.49                         | <5                        | 1.9                         | 0.84                         | 11.2                        | 0.31                         | 3.9                         |
| DUP                        |                                   | 11.2                        | 11.6                        | 40                         | 0.08                         | 3.62                         | 2.45                         | 0.74                         | 8.8                         | 3.50                         | <5                        | 1.9                         | 0.80                         | 11.0                        | 0.28                         | 3.9                         |
| Target Range - Lower Bound |                                   | 10.1                        | 11.0                        | 30                         | 0.08                         | 3.50                         | 2.32                         | 0.69                         | 8.4                         | 3.27                         | <5                        | 1.7                         | 0.77                         | 10.4                        | 0.27                         | 3.6                         |
| Upper Bound                |                                   | 12.3                        | 12.3                        | 50                         | 0.10                         | 3.97                         | 2.62                         | 0.81                         | 9.4                         | 3.72                         | 10                        | 2.1                         | 0.87                         | 11.8                        | 0.32                         | 4.2                         |
| ORIGINAL                   |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| DUP                        |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| B280014                    |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| DUP                        |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| B280044                    |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| DUP                        |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| B280064                    |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| DUP                        |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20068351**

| Sample Description         | Method Analyte Units LOD | ME-MS81<br>Nd<br>ppm<br>0.1 | ME-MS81<br>Pr<br>ppm<br>0.02 | ME-MS81<br>Rb<br>ppm<br>0.2 | ME-MS81<br>Sm<br>ppm<br>0.03 | ME-MS81<br>Sn<br>ppm<br>1 | ME-MS81<br>Sr<br>ppm<br>0.1 | ME-MS81<br>Ta<br>ppm<br>0.1 | ME-MS81<br>Tb<br>ppm<br>0.01 | ME-MS81<br>Th<br>ppm<br>0.05 | ME-MS81<br>Tm<br>ppm<br>0.01 | ME-MS81<br>U<br>ppm<br>0.05 | ME-MS81<br>V<br>ppm<br>5 | ME-MS81<br>W<br>ppm<br>1 | ME-MS81<br>Y<br>ppm<br>0.1 | ME-MS81<br>Yb<br>ppm<br>0.03 |
|----------------------------|--------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|---------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|--------------------------|--------------------------|----------------------------|------------------------------|
|                            | <b>DUPLICATES</b>        |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| ORIGINAL                   |                          | 12.3                        | 2.63                         | 0.2                         | 2.56                         | 1                         | 8.4                         | 0.3                         | 0.51                         | 3.42                         | 0.33                         | 0.89                        | 117                      | 4                        | 22.2                       | 1.95                         |
| DUP                        |                          | 11.7                        | 2.50                         | 0.2                         | 2.40                         | 1                         | 7.8                         | 0.3                         | 0.49                         | 3.22                         | 0.30                         | 0.97                        | 107                      | 3                        | 21.9                       | 1.87                         |
| Target Range - Lower Bound |                          | 11.3                        | 2.42                         | <0.2                        | 2.33                         | <1                        | 7.6                         | 0.2                         | 0.47                         | 3.10                         | 0.29                         | 0.83                        | 101                      | 2                        | 20.8                       | 1.78                         |
| Upper Bound                |                          | 12.7                        | 2.71                         | 0.4                         | 2.63                         | 2                         | 8.6                         | 0.4                         | 0.54                         | 3.54                         | 0.34                         | 1.03                        | 123                      | 5                        | 23.3                       | 2.04                         |
| ORIGINAL                   |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| DUP                        |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| B280014                    |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| DUP                        |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| B280044                    |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| DUP                        |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| B280064                    |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| DUP                        |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20068351**

| Sample Description         | Method Analyte Units LOD | ME-MS81<br>Zr<br>ppm<br>2 | ME-4ACD81<br>Ag<br>ppm<br>0.5 | ME-4ACD81<br>Cd<br>ppm<br>0.5 | ME-4ACD81<br>Co<br>ppm<br>1 | ME-4ACD81<br>Cu<br>ppm<br>1 | ME-4ACD81<br>Li<br>ppm<br>10 | ME-4ACD81<br>Mo<br>ppm<br>1 | ME-4ACD81<br>Ni<br>ppm<br>1 | ME-4ACD81<br>Pb<br>ppm<br>2 | ME-4ACD81<br>Sc<br>ppm<br>1 | ME-4ACD81<br>Zn<br>ppm<br>2 | ME-MS42<br>As<br>ppm<br>0.1 | ME-MS42<br>Bi<br>ppm<br>0.01 | ME-MS42<br>Hg<br>ppm<br>0.005 | ME-MS42<br>In<br>ppm<br>0.005 |  |
|----------------------------|--------------------------|---------------------------|-------------------------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|--|
| <b>DUPLICATES</b>          |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| ORIGINAL                   |                          | 69                        |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| DUP                        |                          | 70                        |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          | 64                        |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Upper Bound                |                          | 75                        |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| ORIGINAL                   |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| DUP                        |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| B280014                    |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 1.0                         | 0.09                         | <0.005                        | 0.017                         |  |
| DUP                        |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 0.9                         | 0.09                         | <0.005                        | 0.015                         |  |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 0.8                         | 0.08                         | <0.005                        | 0.010                         |  |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 1.1                         | 0.10                         | 0.010                         | 0.022                         |  |
| B280044                    |                          |                           | <0.5                          | <0.5                          | 18                          | 159                         | 10                           | <1                          | 33                          | 40                          | 11                          | 41                          |                             |                              |                               |                               |  |
| DUP                        |                          |                           | <0.5                          | <0.5                          | 18                          | 165                         | 10                           | <1                          | 33                          | 44                          | 11                          | 42                          |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          |                           | <0.5                          | <0.5                          | 16                          | 155                         | <10                          | <1                          | 30                          | 38                          | 9                           | 37                          |                             |                              |                               |                               |  |
| Upper Bound                |                          |                           | 1.0                           | 1.0                           | 20                          | 169                         | 20                           | 2                           | 36                          | 46                          | 13                          | 46                          |                             |                              |                               |                               |  |
| B280064                    |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| DUP                        |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |  |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
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 Finalized Date: 8-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20068351**

| Sample Description                                           | Method Analyte Units LOD | ME-MS42<br>Re<br>ppm<br>0.001     | ME-MS42<br>Sb<br>ppm<br>0.05    | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02    | S-IR08<br>S<br>%<br>0.01     | C-IR07<br>C<br>%<br>0.01     |
|--------------------------------------------------------------|--------------------------|-----------------------------------|---------------------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|------------------------------|------------------------------|
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound | <b>DUPLICATES</b>        |                                   |                                 |                             |                             |                              |                                 |                              |                              |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                                   |                                 |                             |                             |                              |                                 | 0.13<br>0.13<br>0.12<br>0.14 | 0.48<br>0.49<br>0.46<br>0.51 |
| B280014<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | 0.001<br>0.001<br><0.001<br>0.002 | <0.05<br><0.05<br><0.05<br>0.10 | 9.0<br>9.2<br>8.5<br>9.7    | 0.2<br>0.3<br><0.2<br>0.4   | 0.04<br>0.02<br>0.02<br>0.04 | <0.02<br><0.02<br><0.02<br>0.04 |                              |                              |
| B280044<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                                   |                                 |                             |                             |                              |                                 |                              |                              |
| B280064<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                                   |                                 |                             |                             |                              |                                 |                              |                              |
|                                                              |                          |                                   |                                 |                             |                             |                              |                                 |                              |                              |



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Account: **GOLHIGH**

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20068351**

### CERTIFICATE COMMENTS

#### LABORATORY ADDRESSES

|                    |                                                                                        |          |           |         |
|--------------------|----------------------------------------------------------------------------------------|----------|-----------|---------|
| Applies to Method: | Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. |          |           |         |
|                    | C-IR07                                                                                 | FND-02   | ME-4ACD81 | ME-MS42 |
|                    | ME-MS81                                                                                | ME-XRF26 | OA-GRA05x | S-IR08  |



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 North Vancouver BC V7H 0A7  
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**CERTIFICATE TM20066547**

Project: Golden Perimeter  
 P.O. No.: GP20-05  
 This report is for 229 Drill Core samples submitted to our lab in Timmins, ON, Canada on 20-MAR-2020.  
 The following have access to data associated with this certificate:

|                              |              |              |
|------------------------------|--------------|--------------|
| IAN DUNLOP<br>CONOR MCKINLEY | DARWIN GREEN | NEAL MAGUIRE |
|------------------------------|--------------|--------------|

| SAMPLE PREPARATION |                                 |
|--------------------|---------------------------------|
| ALS CODE           | DESCRIPTION                     |
| WEI-21             | Received Sample Weight          |
| LOG-21             | Sample logging - ClientBarCode  |
| CRU-QC             | Crushing QC Test                |
| PUL-QC             | Pulverizing QC Test             |
| CRU-31             | Fine crushing - 70% <2mm        |
| SPL-21             | Split sample - riffle splitter  |
| PUL-31             | Pulverize up to 250g 85% <75 um |
| LOG-23             | Pulp Login - Rcvd with Barcode  |

| ANALYTICAL PROCEDURES |                               |            |
|-----------------------|-------------------------------|------------|
| ALS CODE              | DESCRIPTION                   | INSTRUMENT |
| ME-ICP61              | 33 element four acid ICP-AES  | ICP-AES    |
| Au-AA26               | Ore Grade Au 50g FA AA finish | AAS        |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

**Signature:**   
 Saa Traxler, General Manager, North Vancouver



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20066547**

| Sample Description | Method  | WEI-21    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |     |
|--------------------|---------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|
|                    | Analyte | Recvd Wt. | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga  |
|                    | Units   | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm |
|                    | LOD     | 0.02      | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10  |
| B280072            |         | 0.88      | <0.01   | <0.5     | 6.65     | <5       | 2270     | 2.0      | <2       | 2.82     | <0.5     | 11       | 61       | 61       | 2.98     | 20  |
| B280073            |         | 0.48      | <0.01   | <0.5     | 7.20     | <5       | 2290     | 2.1      | 2        | 2.51     | <0.5     | 13       | 73       | 71       | 3.26     | 20  |
| B280074            |         | 0.97      | 0.01    | 1.4      | 6.89     | <5       | 1820     | 2.3      | 8        | 3.53     | <0.5     | 15       | 85       | 108      | 3.18     | 20  |
| B280075            |         | 1.61      | <0.01   | <0.5     | 6.82     | <5       | 1960     | 2.2      | <2       | 2.95     | <0.5     | 15       | 96       | 217      | 3.35     | 20  |
| B280076            |         | 1.44      | <0.01   | <0.5     | 6.52     | <5       | 1900     | 2.0      | <2       | 2.71     | <0.5     | 14       | 92       | 157      | 3.26     | 20  |
| B280077            |         | 1.24      | 0.01    | <0.5     | 6.28     | <5       | 2290     | 1.8      | <2       | 3.60     | <0.5     | 15       | 81       | 117      | 2.98     | 20  |
| B280078            |         | 0.70      | <0.01   | <0.5     | 6.64     | <5       | 2580     | 1.8      | <2       | 2.63     | <0.5     | 13       | 89       | 111      | 3.19     | 20  |
| B280079            |         | 0.76      | 0.07    | <0.5     | 6.30     | <5       | 1960     | 2.0      | 2        | 3.13     | <0.5     | 13       | 83       | 123      | 3.03     | 20  |
| B280080            |         | 0.06      | 4.13    |          |          |          |          |          |          |          |          |          |          |          |          |     |
| B280081            |         | 0.68      | 0.07    | <0.5     | 6.86     | <5       | 1670     | 2.6      | <2       | 3.69     | <0.5     | 13       | 90       | 152      | 2.89     | 20  |
| B280082            |         | 0.93      | 0.06    | 1.6      | 0.51     | <5       | 1390     | <0.5     | 4        | 0.84     | <0.5     | 3        | 29       | 17       | 0.75     | <10 |
| B280083            |         | 1.21      | 0.08    | 16.1     | 0.33     | <5       | 600      | <0.5     | 64       | 1.02     | <0.5     | 3        | 20       | 29       | 0.79     | <10 |
| B280084            |         | 0.77      | 0.14    | 26.0     | 0.27     | <5       | 240      | <0.5     | 104      | 0.52     | <0.5     | 18       | 27       | 19       | 3.00     | <10 |
| B280085            |         | 0.40      | 0.01    | <0.5     | 6.94     | <5       | 3040     | 2.0      | <2       | 3.29     | <0.5     | 8        | 37       | 268      | 2.41     | 20  |
| B280086            |         | 0.45      | 0.01    | 2.6      | 7.09     | <5       | 2500     | 2.0      | 13       | 2.64     | <0.5     | 13       | 36       | 68       | 2.74     | 20  |
| B280087            |         | 0.83      | <0.01   | <0.5     | 7.44     | <5       | 2900     | 1.8      | <2       | 2.86     | <0.5     | 12       | 38       | 17       | 2.90     | 20  |
| B280088            |         | 0.38      | <0.01   | 1.6      | 6.93     | <5       | 2600     | 1.9      | 5        | 2.95     | <0.5     | 9        | 33       | 40       | 2.52     | 20  |
| B280089            |         | 0.48      | 1.20    | 5.8      | 6.02     | <5       | 230      | 1.8      | 21       | 2.70     | <0.5     | 15       | 33       | 73       | 3.39     | 20  |
| B280090            |         | 0.50      | <0.01   | <0.5     | 0.50     | <5       | 20       | <0.5     | <2       | 0.01     | <0.5     | <1       | 27       | 2        | 0.49     | <10 |
| B280091            |         | 0.35      | <0.01   | <0.5     | 7.35     | <5       | 2620     | 2.1      | <2       | 2.71     | <0.5     | 9        | 38       | 76       | 2.76     | 20  |
| B280092            |         | 1.19      | <0.01   | <0.5     | 7.70     | <5       | 2830     | 2.0      | <2       | 2.17     | <0.5     | 12       | 40       | 127      | 3.00     | 20  |
| B280093            |         | 2.44      | <0.01   | <0.5     | 7.54     | <5       | 2730     | 2.1      | <2       | 2.41     | <0.5     | 11       | 44       | 30       | 2.93     | 20  |
| B280094            |         | 1.74      | <0.01   | <0.5     | 7.72     | <5       | 2690     | 2.0      | <2       | 2.04     | <0.5     | 10       | 38       | 28       | 2.66     | 20  |
| B280095            |         | 1.35      | <0.01   | <0.5     | 7.44     | <5       | 2490     | 1.8      | <2       | 1.30     | <0.5     | 12       | 36       | 18       | 3.24     | 20  |
| B280096            |         | 0.74      | 0.01    | <0.5     | 7.49     | <5       | 2640     | 1.9      | <2       | 2.27     | <0.5     | 8        | 34       | 33       | 2.33     | 20  |
| B280097            |         | 0.70      | <0.01   | <0.5     | 7.08     | <5       | 1640     | 1.9      | <2       | 1.83     | <0.5     | 12       | 44       | 56       | 2.50     | 20  |
| B280098            |         | 1.24      | <0.01   | <0.5     | 7.10     | <5       | 2470     | 1.9      | <2       | 2.38     | <0.5     | 12       | 45       | 60       | 2.86     | 20  |
| B280099            |         | 1.59      | <0.01   | <0.5     | 7.31     | <5       | 2570     | 1.9      | 2        | 2.43     | <0.5     | 11       | 46       | 51       | 2.91     | 20  |
| B280100            |         | 0.07      | 3.55    |          |          |          |          |          |          |          |          |          |          |          |          |     |
| B280101            |         | 0.60      | 0.52    | 0.8      | 6.77     | <5       | 960      | 2.3      | 5        | 4.47     | <0.5     | 14       | 31       | 37       | 2.30     | 20  |
| B280102            |         | 2.43      | 0.01    | <0.5     | 7.72     | <5       | 2850     | 2.1      | 4        | 2.51     | <0.5     | 9        | 36       | 38       | 2.80     | 20  |
| B280103            |         | 1.51      | <0.01   | <0.5     | 7.25     | <5       | 2920     | 2.2      | <2       | 1.77     | <0.5     | 11       | 35       | 49       | 2.85     | 20  |
| B280104            |         | 2.54      | <0.01   | <0.5     | 7.07     | <5       | 2470     | 1.8      | <2       | 1.52     | <0.5     | 10       | 35       | 84       | 2.74     | 20  |
| B280105            |         | 0.48      | <0.01   | <0.5     | 7.01     | <5       | 2300     | 2.0      | 2        | 1.46     | <0.5     | 10       | 32       | 25       | 2.60     | 20  |
| B280106            |         | 0.64      | 0.01    | <0.5     | 7.19     | <5       | 840      | 2.0      | <2       | 2.32     | <0.5     | 10       | 37       | 23       | 2.01     | 20  |
| B280107            |         | 1.03      | 0.01    | 1.3      | 7.56     | <5       | 2660     | 1.9      | 4        | 2.64     | <0.5     | 11       | 35       | 32       | 2.87     | 20  |
| B280108            |         | 2.91      | <0.01   | <0.5     | 7.65     | <5       | 2810     | 2.1      | <2       | 2.22     | <0.5     | 11       | 35       | 30       | 2.83     | 20  |
| B280109            |         | 1.35      | <0.01   | <0.5     | 7.85     | <5       | 2680     | 2.1      | <2       | 2.15     | <0.5     | 10       | 35       | 23       | 2.70     | 20  |
| B280110            |         | 0.70      | <0.01   | <0.5     | 1.00     | <5       | 20       | <0.5     | <2       | 0.01     | <0.5     | <1       | 16       | 1        | 0.58     | <10 |
| B280111            |         | 2.57      | <0.01   | <0.5     | 7.63     | <5       | 2670     | 2.0      | 4        | 1.78     | <0.5     | 12       | 36       | 30       | 2.75     | 20  |





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**CERTIFICATE OF ANALYSIS TM20066547**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |       |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti %  |
| B280072            |                          | 2.89     | 30       | 1.50     | 658      | <1       | 3.50     | 19       | 1230     | 31       | 0.12     | <5       | 8        | 775      | <20      | 0.22  |
| B280073            |                          | 3.06     | 40       | 1.69     | 655      | <1       | 3.44     | 22       | 1320     | 28       | 0.12     | 7        | 10       | 920      | <20      | 0.24  |
| B280074            |                          | 3.24     | 40       | 1.81     | 731      | 6        | 3.01     | 22       | 1320     | 100      | 0.42     | <5       | 11       | 444      | <20      | 0.24  |
| B280075            |                          | 3.08     | 30       | 1.93     | 721      | <1       | 3.02     | 26       | 1410     | 29       | 0.21     | <5       | 11       | 716      | <20      | 0.24  |
| B280076            |                          | 2.79     | 30       | 1.80     | 665      | 2        | 3.04     | 26       | 1370     | 31       | 0.27     | <5       | 10       | 755      | <20      | 0.23  |
| B280077            |                          | 2.95     | 30       | 1.67     | 734      | 1        | 3.19     | 23       | 1250     | 20       | 0.54     | 6        | 9        | 615      | <20      | 0.21  |
| B280078            |                          | 3.19     | 30       | 1.72     | 659      | 1        | 2.97     | 26       | 1290     | 24       | 0.20     | <5       | 10       | 751      | <20      | 0.23  |
| B280079            |                          | 3.32     | 30       | 1.71     | 705      | <1       | 2.67     | 22       | 1280     | 21       | 0.35     | <5       | 9        | 530      | <20      | 0.22  |
| B280080            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| B280081            |                          | 3.44     | 40       | 1.80     | 812      | <1       | 2.48     | 19       | 1380     | 36       | 0.48     | <5       | 10       | 317      | <20      | 0.25  |
| B280082            |                          | 0.15     | 10       | 0.21     | 145      | 161      | 0.26     | 5        | 90       | 143      | 0.48     | <5       | 1        | 331      | <20      | 0.02  |
| B280083            |                          | 0.09     | <10      | 0.08     | 117      | 1550     | 0.13     | 7        | 30       | 1675     | 0.73     | <5       | <1       | 68       | <20      | 0.01  |
| B280084            |                          | 0.10     | <10      | 0.04     | 72       | 3440     | 0.10     | 7        | 20       | 2720     | 3.53     | <5       | <1       | 109      | <20      | <0.01 |
| B280085            |                          | 2.57     | 40       | 0.62     | 381      | 115      | 3.43     | 15       | 1120     | 26       | 0.77     | <5       | 8        | 515      | <20      | 0.21  |
| B280086            |                          | 2.12     | 40       | 0.99     | 347      | 748      | 3.62     | 17       | 1120     | 363      | 1.02     | 9        | 7        | 617      | <20      | 0.20  |
| B280087            |                          | 2.87     | 30       | 1.24     | 459      | 3        | 3.61     | 18       | 1260     | 20       | 0.07     | 5        | 8        | 1205     | <20      | 0.23  |
| B280088            |                          | 2.10     | 40       | 0.79     | 322      | 6        | 3.73     | 18       | 1070     | 162      | 0.55     | <5       | 7        | >10000   | 60       | 0.19  |
| B280089            |                          | 1.99     | 40       | 0.66     | 396      | 2630     | 2.73     | 16       | 1000     | 540      | 2.41     | <5       | 6        | 9890     | 30       | 0.17  |
| B280090            |                          | 0.04     | 10       | 0.02     | 26       | 6        | 0.01     | 2        | 40       | <2       | <0.01    | <5       | <1       | 39       | <20      | 0.03  |
| B280091            |                          | 2.79     | 30       | 1.25     | 538      | 4        | 3.54     | 14       | 1170     | 21       | 0.26     | <5       | 8        | 699      | <20      | 0.22  |
| B280092            |                          | 2.61     | 40       | 1.55     | 445      | 2        | 3.64     | 18       | 1240     | 25       | 0.49     | <5       | 9        | 1110     | <20      | 0.22  |
| B280093            |                          | 2.74     | 40       | 1.55     | 593      | 1        | 3.56     | 16       | 1190     | 21       | 0.04     | <5       | 9        | 1340     | <20      | 0.24  |
| B280094            |                          | 2.82     | 50       | 1.71     | 432      | 1        | 3.57     | 14       | 1250     | 20       | 0.02     | 5        | 9        | 1135     | <20      | 0.23  |
| B280095            |                          | 2.74     | 50       | 2.51     | 355      | 1        | 3.17     | 16       | 1160     | 23       | 0.07     | <5       | 8        | 802      | <20      | 0.22  |
| B280096            |                          | 2.13     | 40       | 1.15     | 368      | 1200     | 4.16     | 12       | 1150     | 42       | 0.76     | 5        | 8        | 2690     | <20      | 0.21  |
| B280097            |                          | 1.34     | 40       | 1.02     | 341      | 21       | 4.22     | 16       | 1160     | 21       | 1.18     | <5       | 8        | 596      | <20      | 0.20  |
| B280098            |                          | 2.80     | 40       | 1.56     | 474      | 2        | 3.28     | 17       | 1250     | 16       | 0.10     | 6        | 9        | 982      | <20      | 0.23  |
| B280099            |                          | 2.80     | 40       | 1.53     | 471      | 2        | 3.38     | 19       | 1250     | 19       | 0.10     | <5       | 8        | 998      | <20      | 0.23  |
| B280100            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |       |
| B280101            |                          | 1.74     | 50       | 0.88     | 507      | 927      | 3.40     | 17       | 1180     | 201      | 1.30     | <5       | 7        | 2720     | <20      | 0.20  |
| B280102            |                          | 2.81     | 50       | 1.41     | 500      | 29       | 3.73     | 17       | 1170     | 19       | 0.19     | <5       | 8        | 1075     | <20      | 0.23  |
| B280103            |                          | 2.65     | 40       | 1.74     | 472      | 3        | 3.43     | 16       | 1160     | 22       | 0.07     | <5       | 8        | 1275     | <20      | 0.22  |
| B280104            |                          | 2.62     | 40       | 1.69     | 417      | 12       | 3.50     | 15       | 1140     | 21       | 0.28     | <5       | 8        | 1015     | <20      | 0.22  |
| B280105            |                          | 2.51     | 40       | 1.32     | 301      | 59       | 3.56     | 15       | 1020     | 30       | 1.03     | 8        | 7        | 885      | <20      | 0.18  |
| B280106            |                          | 1.43     | 40       | 0.61     | 367      | 407      | 4.71     | 11       | 940      | 24       | 1.38     | <5       | 6        | 514      | <20      | 0.18  |
| B280107            |                          | 2.53     | 40       | 1.39     | 591      | 4        | 3.86     | 16       | 1180     | 170      | 0.43     | <5       | 8        | 1195     | <20      | 0.21  |
| B280108            |                          | 2.79     | 40       | 1.58     | 560      | 1        | 3.71     | 16       | 1150     | 21       | 0.07     | <5       | 8        | 1405     | <20      | 0.22  |
| B280109            |                          | 2.78     | 40       | 1.53     | 549      | 1        | 3.71     | 15       | 1130     | 18       | 0.03     | <5       | 9        | 1345     | <20      | 0.23  |
| B280110            |                          | 0.06     | 20       | 0.01     | 21       | <1       | 0.01     | 3        | 60       | <2       | <0.01    | <5       | 1        | 29       | <20      | 0.03  |
| B280111            |                          | 2.84     | 50       | 1.71     | 517      | 1        | 3.60     | 15       | 1150     | 33       | 0.21     | <5       | 8        | 2560     | 20       | 0.22  |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Plus Appendix Pages  
 Finalized Date: 16-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20066547**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| B280072            |                                   | <10      | <10      | 82       | <10      | 61       |
| B280073            |                                   | <10      | <10      | 90       | <10      | 78       |
| B280074            |                                   | <10      | <10      | 93       | 10       | 73       |
| B280075            |                                   | <10      | <10      | 93       | <10      | 76       |
| B280076            |                                   | <10      | <10      | 89       | <10      | 73       |
| B280077            |                                   | <10      | <10      | 79       | <10      | 54       |
| B280078            |                                   | <10      | <10      | 84       | <10      | 79       |
| B280079            |                                   | <10      | <10      | 86       | 10       | 71       |
| B280080            |                                   |          |          |          |          |          |
| B280081            |                                   | <10      | <10      | 104      | 10       | 61       |
| B280082            |                                   | <10      | <10      | 7        | <10      | 7        |
| B280083            |                                   | <10      | <10      | 3        | <10      | 15       |
| B280084            |                                   | <10      | <10      | 3        | <10      | 3        |
| B280085            |                                   | <10      | <10      | 81       | <10      | 42       |
| B280086            |                                   | <10      | <10      | 75       | 10       | 51       |
| B280087            |                                   | <10      | <10      | 84       | <10      | 61       |
| B280088            |                                   | <10      | 10       | 71       | <10      | 59       |
| B280089            |                                   | <10      | <10      | 60       | <10      | 35       |
| B280090            |                                   | <10      | <10      | 3        | <10      | 2        |
| B280091            |                                   | <10      | <10      | 76       | 10       | 57       |
| B280092            |                                   | <10      | <10      | 80       | <10      | 65       |
| B280093            |                                   | <10      | <10      | 79       | <10      | 64       |
| B280094            |                                   | <10      | <10      | 79       | <10      | 58       |
| B280095            |                                   | <10      | <10      | 73       | <10      | 71       |
| B280096            |                                   | <10      | <10      | 69       | 10       | 49       |
| B280097            |                                   | <10      | <10      | 65       | <10      | 48       |
| B280098            |                                   | <10      | <10      | 78       | <10      | 59       |
| B280099            |                                   | <10      | <10      | 78       | <10      | 59       |
| B280100            |                                   |          |          |          |          |          |
| B280101            |                                   | <10      | <10      | 73       | <10      | 45       |
| B280102            |                                   | <10      | <10      | 74       | 10       | 54       |
| B280103            |                                   | <10      | <10      | 77       | <10      | 64       |
| B280104            |                                   | <10      | <10      | 75       | <10      | 60       |
| B280105            |                                   | <10      | <10      | 69       | <10      | 58       |
| B280106            |                                   | <10      | <10      | 59       | <10      | 32       |
| B280107            |                                   | <10      | <10      | 74       | <10      | 64       |
| B280108            |                                   | <10      | <10      | 77       | 10       | 63       |
| B280109            |                                   | <10      | <10      | 74       | <10      | 60       |
| B280110            |                                   | <10      | <10      | 4        | <10      | 3        |
| B280111            |                                   | <10      | <10      | 77       | <10      | 62       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20066547**

| Sample Description | Method Analyte Units LOD | WEI-21       | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|--------------------|--------------------------|--------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Recvd Wt. kg | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm |
| B280112            |                          | 0.75         | <0.01   | <0.5     | 7.27     | <5       | 2510     | 1.8      | <2       | 1.83     | <0.5     | 10       | 33       | 68       | 2.68     | 20     |
| B280113            |                          | 2.87         | <0.01   | <0.5     | 7.75     | <5       | 2730     | 2.0      | <2       | 1.98     | <0.5     | 12       | 37       | 32       | 2.81     | 20     |
| B280114            |                          | 2.36         | <0.01   | <0.5     | 7.53     | <5       | 2440     | 1.9      | <2       | 2.02     | <0.5     | 10       | 34       | 24       | 2.69     | 20     |
| B280115            |                          | 1.21         | <0.01   | <0.5     | 7.28     | <5       | 2410     | 2.0      | <2       | 1.70     | <0.5     | 11       | 36       | 20       | 2.59     | 20     |
| B280116            |                          | 0.90         | <0.01   | <0.5     | 7.34     | <5       | 2330     | 1.8      | <2       | 1.73     | <0.5     | 10       | 30       | 19       | 2.47     | 20     |
| B280117            |                          | 1.28         | <0.01   | <0.5     | 7.32     | <5       | 2460     | 1.7      | <2       | 1.97     | <0.5     | 11       | 33       | 21       | 2.80     | 20     |
| B280118            |                          | 0.62         | 0.42    | <0.5     | 5.48     | <5       | 710      | 1.2      | <2       | 5.37     | <0.5     | 12       | 20       | 25       | 2.46     | 10     |
| B280119            |                          | 1.44         | <0.01   | <0.5     | 7.55     | <5       | 2430     | 1.9      | <2       | 1.82     | <0.5     | 11       | 34       | 19       | 2.62     | 20     |
| B280120            |                          | 0.06         | 4.19    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| B280121            |                          | 1.57         | <0.01   | <0.5     | 7.57     | <5       | 2720     | 1.9      | <2       | 1.73     | <0.5     | 12       | 36       | 42       | 2.85     | 20     |
| B280122            |                          | 2.46         | <0.01   | <0.5     | 7.83     | <5       | 2920     | 2.1      | <2       | 2.17     | <0.5     | 10       | 37       | 28       | 2.80     | 20     |
| B280123            |                          | 2.74         | <0.01   | <0.5     | 7.70     | <5       | 2790     | 2.1      | 2        | 2.01     | <0.5     | 11       | 34       | 19       | 2.71     | 20     |
| B280124            |                          | 1.40         | <0.01   | <0.5     | 7.78     | <5       | 2660     | 2.1      | <2       | 2.00     | <0.5     | 11       | 35       | 27       | 2.86     | 20     |
| B280125            |                          | 0.80         | <0.01   | <0.5     | 6.85     | <5       | 2000     | 1.9      | 3        | 1.57     | <0.5     | 9        | 30       | 20       | 2.33     | 20     |
| B280126            |                          | 1.19         | <0.01   | <0.5     | 7.35     | <5       | 2100     | 2.0      | <2       | 1.71     | <0.5     | 8        | 30       | 24       | 2.37     | 20     |
| B280127            |                          | 0.69         | <0.01   | <0.5     | 6.95     | <5       | 2500     | 1.8      | <2       | 2.03     | <0.5     | 10       | 32       | 61       | 2.61     | 20     |
| B280128            |                          | 1.68         | <0.01   | <0.5     | 7.50     | <5       | 2670     | 2.1      | <2       | 1.82     | <0.5     | 10       | 35       | 31       | 2.68     | 20     |
| B280129            |                          | 1.78         | <0.01   | <0.5     | 7.53     | <5       | 2700     | 2.2      | <2       | 2.12     | <0.5     | 11       | 35       | 33       | 2.84     | 20     |
| B280130            |                          | 0.60         | <0.01   | <0.5     | 1.06     | <5       | 30       | <0.5     | <2       | 0.02     | <0.5     | <1       | 15       | 1        | 0.65     | <10    |
| B280131            |                          | 1.48         | <0.01   | <0.5     | 7.27     | <5       | 2580     | 1.9      | <2       | 1.86     | <0.5     | 12       | 34       | 13       | 2.73     | 20     |
| B280132            |                          | 1.03         | <0.01   | 0.8      | 7.42     | <5       | 2370     | 1.9      | <2       | 1.54     | <0.5     | 9        | 32       | 9        | 2.46     | 20     |
| B280133            |                          | 1.28         | <0.01   | <0.5     | 7.45     | <5       | 2480     | 1.9      | <2       | 1.55     | <0.5     | 10       | 33       | 10       | 2.51     | 20     |
| B280134            |                          | 1.20         | <0.01   | <0.5     | 7.52     | <5       | 2760     | 2.1      | 2        | 2.04     | <0.5     | 11       | 36       | 39       | 2.76     | 20     |
| B280135            |                          | 2.19         | <0.01   | <0.5     | 7.52     | <5       | 2670     | 2.1      | 4        | 1.92     | <0.5     | 11       | 34       | 18       | 2.67     | 20     |
| B280136            |                          | 1.37         | <0.01   | <0.5     | 7.23     | <5       | 2420     | 1.9      | 2        | 0.85     | <0.5     | 12       | 31       | 44       | 2.70     | 20     |
| B280137            |                          | 2.34         | <0.01   | <0.5     | 7.21     | <5       | 2680     | 2.0      | 2        | 1.27     | <0.5     | 11       | 33       | 20       | 2.55     | 20     |
| B280138            |                          | 2.42         | <0.01   | <0.5     | 7.53     | <5       | 2660     | 2.1      | <2       | 2.31     | <0.5     | 12       | 34       | 13       | 2.80     | 20     |
| B280139            |                          | 2.38         | <0.01   | <0.5     | 7.67     | <5       | 2470     | 2.1      | 3        | 2.12     | <0.5     | 11       | 32       | 15       | 2.55     | 20     |
| B280140            |                          | 0.06         | 4.09    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| B280141            |                          | 1.83         | <0.01   | <0.5     | 7.83     | <5       | 2880     | 2.2      | 4        | 2.16     | <0.5     | 13       | 37       | 19       | 2.90     | 20     |
| B280142            |                          | 0.87         | <0.01   | <0.5     | 7.15     | <5       | 2830     | 1.9      | 4        | 1.57     | <0.5     | 11       | 33       | 53       | 2.64     | 20     |
| B280143            |                          | 1.08         | <0.01   | <0.5     | 7.27     | <5       | 2510     | 1.8      | <2       | 2.34     | <0.5     | 11       | 32       | 34       | 2.52     | 20     |
| B280144            |                          | 1.55         | <0.01   | <0.5     | 7.27     | <5       | 2270     | 1.9      | 5        | 1.27     | <0.5     | 11       | 32       | 40       | 2.53     | 20     |
| B280145            |                          | 0.63         | <0.01   | <0.5     | 6.93     | <5       | 2170     | 1.6      | 3        | 1.08     | <0.5     | 9        | 33       | 30       | 2.58     | 20     |
| B280146            |                          | 2.67         | <0.01   | <0.5     | 7.30     | <5       | 2430     | 1.7      | 4        | 1.61     | <0.5     | 11       | 32       | 24       | 2.75     | 20     |
| B280147            |                          | 2.59         | <0.01   | <0.5     | 7.47     | <5       | 2690     | 1.7      | 2        | 1.13     | <0.5     | 11       | 35       | 27       | 2.66     | 20     |
| B280148            |                          | 1.81         | <0.01   | <0.5     | 7.42     | <5       | 2580     | 1.7      | <2       | 1.55     | <0.5     | 11       | 52       | 40       | 2.83     | 20     |
| B280149            |                          | 1.55         | 0.01    | <0.5     | 7.18     | <5       | 2530     | 2.5      | 3        | 3.29     | <0.5     | 14       | 55       | 48       | 3.07     | 20     |
| B280150            |                          | 0.60         | <0.01   | <0.5     | 0.73     | <5       | 20       | <0.5     | <2       | 0.01     | <0.5     | 1        | 11       | 3        | 0.60     | <10    |
| B280151            |                          | 2.12         | <0.01   | <0.5     | 7.17     | <5       | 2500     | 2.1      | <2       | 3.27     | <0.5     | 15       | 32       | 50       | 3.35     | 20     |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 VANCOUVER BC V6C 2V6

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| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| B280112            |                          | 2.42     | 40       | 1.81     | 460      | 1        | 3.63     | 16       | 1110     | 39       | 0.32     | 5        | 8        | 1225     | 20       | 0.22 |
| B280113            |                          | 2.79     | 50       | 1.76     | 572      | 1        | 3.74     | 14       | 1210     | 35       | 0.09     | <5       | 9        | 1405     | <20      | 0.23 |
| B280114            |                          | 2.83     | 40       | 1.48     | 573      | <1       | 3.63     | 15       | 1110     | 26       | 0.05     | <5       | 8        | 1245     | <20      | 0.22 |
| B280115            |                          | 2.77     | 40       | 1.62     | 516      | 1        | 3.46     | 14       | 1160     | 28       | 0.09     | <5       | 8        | 1165     | <20      | 0.22 |
| B280116            |                          | 3.05     | 40       | 1.48     | 492      | <1       | 3.48     | 14       | 1010     | 16       | 0.05     | <5       | 7        | 1075     | <20      | 0.20 |
| B280117            |                          | 2.70     | 40       | 1.65     | 512      | 1        | 3.41     | 16       | 1130     | 25       | 0.13     | <5       | 8        | 1015     | <20      | 0.21 |
| B280118            |                          | 1.17     | 50       | 2.10     | 752      | <1       | 2.65     | 12       | 900      | 46       | 0.84     | <5       | 6        | 1075     | <20      | 0.12 |
| B280119            |                          | 3.00     | 40       | 1.43     | 503      | 1        | 3.45     | 16       | 1070     | 22       | 0.10     | <5       | 8        | 1120     | <20      | 0.21 |
| B280120            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| B280121            |                          | 2.71     | 50       | 1.73     | 528      | 1        | 3.63     | 18       | 1170     | 44       | 0.10     | <5       | 9        | 1225     | 20       | 0.23 |
| B280122            |                          | 2.75     | 40       | 1.51     | 636      | 4        | 3.85     | 16       | 1160     | 23       | 0.09     | <5       | 9        | 1285     | <20      | 0.22 |
| B280123            |                          | 2.88     | 40       | 1.53     | 590      | 1        | 3.82     | 14       | 1160     | 24       | 0.10     | <5       | 8        | 1185     | <20      | 0.22 |
| B280124            |                          | 2.83     | 40       | 1.61     | 594      | 1        | 3.81     | 14       | 1200     | 16       | 0.07     | <5       | 9        | 1205     | <20      | 0.23 |
| B280125            |                          | 2.55     | 40       | 1.28     | 476      | 45       | 3.36     | 14       | 940      | 22       | 0.14     | <5       | 7        | 944      | <20      | 0.19 |
| B280126            |                          | 3.06     | 30       | 1.24     | 514      | 1        | 3.60     | 13       | 930      | 21       | 0.11     | <5       | 7        | 944      | 20       | 0.19 |
| B280127            |                          | 2.06     | 40       | 1.51     | 521      | 20       | 3.66     | 13       | 1050     | 40       | 0.47     | 5        | 8        | 1810     | <20      | 0.21 |
| B280128            |                          | 2.70     | 40       | 1.56     | 566      | <1       | 3.78     | 14       | 1170     | 85       | 0.18     | <5       | 8        | 1170     | <20      | 0.22 |
| B280129            |                          | 2.65     | 40       | 1.55     | 623      | 1        | 3.74     | 16       | 1140     | 22       | 0.07     | <5       | 9        | 1290     | <20      | 0.23 |
| B280130            |                          | 0.06     | 10       | 0.01     | 23       | <1       | 0.02     | 1        | 60       | <2       | <0.01    | <5       | 1        | 27       | <20      | 0.03 |
| B280131            |                          | 2.53     | 40       | 1.71     | 541      | 1        | 3.58     | 15       | 1100     | 42       | 0.10     | <5       | 8        | 1175     | <20      | 0.22 |
| B280132            |                          | 2.87     | 40       | 1.56     | 479      | 1        | 3.69     | 13       | 1050     | 18       | 0.05     | <5       | 7        | 1215     | <20      | 0.21 |
| B280133            |                          | 2.97     | 40       | 1.66     | 490      | 1        | 3.73     | 12       | 1080     | 17       | 0.06     | <5       | 8        | 1160     | <20      | 0.21 |
| B280134            |                          | 2.69     | 40       | 1.56     | 580      | 1        | 3.67     | 16       | 1150     | 13       | 0.09     | <5       | 8        | 1155     | <20      | 0.22 |
| B280135            |                          | 2.79     | 40       | 1.56     | 535      | 1        | 3.69     | 15       | 1150     | 17       | 0.04     | <5       | 8        | 1170     | <20      | 0.22 |
| B280136            |                          | 2.59     | 40       | 2.37     | 324      | 1        | 3.07     | 14       | 1080     | 15       | 0.04     | <5       | 8        | 1995     | <20      | 0.21 |
| B280137            |                          | 2.59     | 40       | 1.99     | 371      | <1       | 3.25     | 14       | 1120     | 14       | 0.05     | <5       | 8        | 1205     | 20       | 0.22 |
| B280138            |                          | 2.51     | 40       | 1.36     | 617      | <1       | 3.60     | 18       | 1120     | 21       | 0.02     | <5       | 8        | 1380     | <20      | 0.22 |
| B280139            |                          | 2.66     | 40       | 1.27     | 558      | <1       | 3.53     | 13       | 1030     | 23       | 0.02     | <5       | 8        | 1180     | <20      | 0.20 |
| B280140            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| B280141            |                          | 2.70     | 40       | 1.56     | 594      | <1       | 3.67     | 18       | 1180     | 19       | 0.03     | <5       | 9        | 1275     | <20      | 0.24 |
| B280142            |                          | 2.64     | 40       | 1.68     | 460      | <1       | 3.40     | 15       | 1100     | 12       | 0.43     | <5       | 8        | 898      | <20      | 0.21 |
| B280143            |                          | 2.31     | 30       | 1.29     | 508      | <1       | 3.59     | 15       | 1070     | 12       | 0.37     | <5       | 8        | 933      | <20      | 0.21 |
| B280144            |                          | 2.59     | 40       | 1.60     | 338      | 50       | 3.50     | 16       | 1100     | 13       | 0.32     | <5       | 7        | 630      | <20      | 0.21 |
| B280145            |                          | 2.68     | 20       | 1.61     | 299      | 82       | 3.13     | 15       | 1040     | 12       | 0.19     | <5       | 7        | 678      | <20      | 0.20 |
| B280146            |                          | 2.74     | 20       | 1.76     | 390      | 1        | 3.30     | 15       | 1130     | 8        | 0.27     | <5       | 8        | 650      | <20      | 0.21 |
| B280147            |                          | 2.95     | 30       | 1.93     | 336      | 22       | 3.47     | 16       | 1250     | 8        | 0.18     | <5       | 8        | 810      | <20      | 0.23 |
| B280148            |                          | 3.22     | 40       | 2.18     | 361      | 1        | 3.18     | 18       | 1310     | 9        | 0.06     | <5       | 9        | 872      | <20      | 0.25 |
| B280149            |                          | 3.34     | 40       | 1.93     | 566      | 1        | 2.69     | 20       | 1420     | 8        | 0.33     | <5       | 10       | 654      | <20      | 0.23 |
| B280150            |                          | 0.03     | 10       | 0.02     | 23       | <1       | 0.01     | 2        | 40       | <2       | <0.01    | <5       | <1       | 14       | <20      | 0.03 |
| B280151            |                          | 2.58     | 40       | 1.16     | 616      | <1       | 3.23     | 18       | 1410     | 16       | 0.10     | <5       | 9        | 842      | <20      | 0.26 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Plus Appendix Pages  
 Finalized Date: 16-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20066547**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| B280112            |                                   | <10      | <10      | 72       | <10      | 57       |
| B280113            |                                   | <10      | <10      | 80       | <10      | 64       |
| B280114            |                                   | <10      | <10      | 74       | <10      | 60       |
| B280115            |                                   | <10      | <10      | 73       | <10      | 60       |
| B280116            |                                   | <10      | <10      | 68       | <10      | 54       |
| B280117            |                                   | <10      | <10      | 76       | <10      | 66       |
| B280118            |                                   | <10      | <10      | 39       | 10       | 54       |
| B280119            |                                   | <10      | <10      | 74       | <10      | 58       |
| B280120            |                                   |          |          |          |          |          |
| B280121            |                                   | <10      | <10      | 78       | <10      | 65       |
| B280122            |                                   | <10      | <10      | 78       | <10      | 66       |
| B280123            |                                   | <10      | <10      | 76       | <10      | 63       |
| B280124            |                                   | <10      | <10      | 80       | <10      | 64       |
| B280125            |                                   | <10      | <10      | 64       | 10       | 52       |
| B280126            |                                   | <10      | <10      | 65       | <10      | 54       |
| B280127            |                                   | <10      | <10      | 69       | <10      | 60       |
| B280128            |                                   | <10      | <10      | 77       | <10      | 61       |
| B280129            |                                   | <10      | <10      | 78       | <10      | 64       |
| B280130            |                                   | <10      | <10      | 5        | <10      | 3        |
| B280131            |                                   | <10      | <10      | 75       | <10      | 63       |
| B280132            |                                   | <10      | <10      | 68       | <10      | 54       |
| B280133            |                                   | <10      | <10      | 71       | <10      | 55       |
| B280134            |                                   | <10      | <10      | 75       | <10      | 62       |
| B280135            |                                   | 10       | <10      | 74       | <10      | 59       |
| B280136            |                                   | <10      | <10      | 69       | <10      | 60       |
| B280137            |                                   | <10      | <10      | 73       | <10      | 54       |
| B280138            |                                   | <10      | <10      | 74       | <10      | 62       |
| B280139            |                                   | <10      | <10      | 69       | <10      | 55       |
| B280140            |                                   |          |          |          |          |          |
| B280141            |                                   | <10      | <10      | 79       | <10      | 63       |
| B280142            |                                   | <10      | <10      | 75       | <10      | 63       |
| B280143            |                                   | <10      | <10      | 70       | <10      | 54       |
| B280144            |                                   | <10      | <10      | 67       | <10      | 58       |
| B280145            |                                   | <10      | <10      | 65       | <10      | 51       |
| B280146            |                                   | <10      | <10      | 70       | <10      | 60       |
| B280147            |                                   | <10      | <10      | 72       | <10      | 56       |
| B280148            |                                   | <10      | <10      | 78       | <10      | 57       |
| B280149            |                                   | <10      | <10      | 98       | <10      | 60       |
| B280150            |                                   | <10      | <10      | 4        | <10      | 2        |
| B280151            |                                   | <10      | <10      | 97       | <10      | 69       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

Page: 4 - A  
 Total # Pages: 7 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 16-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20066547**

| Sample Description | Method Analyte Units LOD | WEI-21       | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|--------------------|--------------------------|--------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Recvd Wt. kg | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm |
|                    |                          | 0.02         | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10     |
| B280152            |                          | 0.99         | <0.01   | <0.5     | 7.62     | <5       | 3080     | 1.8      | <2       | 3.03     | <0.5     | 14       | 32       | 14       | 3.58     | 20     |
| B280153            |                          | 1.30         | <0.01   | <0.5     | 7.70     | <5       | 3030     | 2.1      | <2       | 2.33     | <0.5     | 16       | 34       | 14       | 3.82     | 20     |
| B280154            |                          | 2.46         | <0.01   | <0.5     | 6.93     | <5       | 2690     | 2.3      | <2       | 4.46     | <0.5     | 15       | 34       | 13       | 3.04     | 20     |
| B280155            |                          | 1.64         | <0.01   | <0.5     | 7.29     | <5       | 2750     | 2.1      | 4        | 2.73     | <0.5     | 14       | 33       | 51       | 3.46     | 20     |
| B280156            |                          | 1.13         | <0.01   | <0.5     | 6.97     | <5       | 2350     | 2.0      | 2        | 3.10     | <0.5     | 16       | 33       | 26       | 3.52     | 20     |
| B280157            |                          | 2.99         | <0.01   | <0.5     | 7.61     | <5       | 2720     | 2.1      | 3        | 3.09     | <0.5     | 15       | 37       | 18       | 3.52     | 20     |
| B280158            |                          | 0.92         | <0.01   | <0.5     | 7.22     | <5       | 2890     | 2.1      | 4        | 2.83     | <0.5     | 15       | 35       | 36       | 3.53     | 20     |
| B280159            |                          | 1.94         | <0.01   | <0.5     | 7.37     | <5       | 2780     | 2.2      | 4        | 2.79     | <0.5     | 16       | 37       | 74       | 3.83     | 20     |
| B280160            |                          | 0.06         | 4.08    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| B280161            |                          | 0.46         | <0.01   | <0.5     | 6.83     | <5       | 2150     | 1.9      | 2        | 2.78     | <0.5     | 13       | 32       | 165      | 3.11     | 20     |
| B280162            |                          | 1.42         | <0.01   | <0.5     | 7.72     | <5       | 3180     | 2.2      | 3        | 2.71     | <0.5     | 14       | 35       | 41       | 3.39     | 20     |
| B280163            |                          | 1.04         | <0.01   | <0.5     | 7.63     | <5       | 2870     | 2.3      | 2        | 2.62     | <0.5     | 13       | 32       | 20       | 3.20     | 20     |
| B280164            |                          | 0.71         | <0.01   | 0.9      | 7.65     | <5       | 2530     | 2.0      | 7        | 2.55     | <0.5     | 15       | 38       | 35       | 3.50     | 20     |
| B280165            |                          | 0.82         | <0.01   | <0.5     | 7.77     | <5       | 2450     | 2.0      | 4        | 2.43     | <0.5     | 16       | 39       | 42       | 3.48     | 20     |
| B280166            |                          | 0.53         | <0.01   | <0.5     | 7.11     | <5       | 2610     | 2.0      | 2        | 2.10     | <0.5     | 12       | 35       | 54       | 2.72     | 20     |
| B280167            |                          | 0.52         | <0.01   | <0.5     | 6.88     | <5       | 2340     | 1.9      | <2       | 3.02     | <0.5     | 12       | 31       | 45       | 2.67     | 20     |
| B280168            |                          | 0.79         | 0.02    | 1.1      | 3.74     | <5       | 1230     | 0.9      | 5        | 2.49     | <0.5     | 7        | 22       | 52       | 1.50     | 10     |
| B280169            |                          | 0.55         | <0.01   | <0.5     | 7.05     | <5       | 1830     | 2.1      | 2        | 4.20     | <0.5     | 17       | 125      | 170      | 3.38     | 20     |
| B280170            |                          | 0.60         | <0.01   | <0.5     | 0.98     | <5       | 20       | <0.5     | <2       | 0.02     | <0.5     | 1        | 15       | 2        | 0.53     | <10    |
| B280171            |                          | 1.40         | <0.01   | <0.5     | 7.12     | <5       | 2030     | 2.2      | 3        | 3.54     | <0.5     | 19       | 142      | 36       | 3.50     | 20     |
| B280172            |                          | 0.65         | <0.01   | <0.5     | 6.85     | <5       | 1900     | 2.4      | 3        | 2.87     | <0.5     | 17       | 168      | 33       | 3.41     | 20     |
| B280173            |                          | 2.22         | 0.01    | <0.5     | 7.35     | <5       | 1830     | 2.7      | 5        | 3.39     | <0.5     | 20       | 177      | 21       | 3.78     | 20     |
| B280174            |                          | 3.09         | 0.01    | <0.5     | 6.87     | <5       | 1770     | 2.4      | <2       | 3.59     | <0.5     | 19       | 173      | 8        | 3.66     | 20     |
| B280175            |                          | 2.66         | <0.01   | <0.5     | 6.94     | <5       | 1800     | 2.8      | <2       | 3.61     | <0.5     | 21       | 193      | 8        | 3.98     | 20     |
| B280176            |                          | 2.36         | <0.01   | <0.5     | 7.17     | <5       | 1910     | 2.8      | <2       | 3.34     | <0.5     | 21       | 180      | 25       | 3.72     | 20     |
| B280177            |                          | 1.74         | <0.01   | <0.5     | 7.26     | 5        | 1970     | 2.6      | <2       | 3.37     | <0.5     | 18       | 165      | 18       | 3.64     | 20     |
| B280178            |                          | 1.88         | <0.01   | <0.5     | 6.93     | <5       | 1790     | 2.7      | <2       | 3.59     | <0.5     | 20       | 177      | 12       | 3.73     | 20     |
| B280179            |                          | 0.72         | <0.01   | <0.5     | 7.08     | <5       | 1820     | 2.7      | 3        | 3.61     | <0.5     | 19       | 173      | 14       | 3.72     | 20     |
| B280180            |                          | 0.05         | 4.17    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| B280181            |                          | 0.98         | <0.01   | <0.5     | 7.28     | <5       | 1860     | 2.8      | <2       | 3.63     | <0.5     | 20       | 177      | 21       | 3.78     | 20     |
| B280182            |                          | 0.65         | 0.01    | <0.5     | 6.63     | <5       | 1750     | 2.5      | <2       | 3.01     | <0.5     | 17       | 151      | 145      | 3.39     | 20     |
| B280183            |                          | 1.88         | <0.01   | <0.5     | 7.01     | <5       | 1730     | 2.6      | <2       | 3.35     | <0.5     | 19       | 174      | 14       | 3.58     | 20     |
| B280184            |                          | 1.65         | <0.01   | 0.7      | 6.76     | <5       | 2350     | 2.3      | 3        | 3.37     | <0.5     | 15       | 126      | 24       | 3.14     | 20     |
| B280185            |                          | 0.56         | 0.03    | 2.1      | 5.70     | <5       | 210      | 1.6      | 15       | 1.64     | <0.5     | 9        | 26       | 12       | 2.72     | 20     |
| B280186            |                          | 0.75         | <0.01   | <0.5     | 7.34     | <5       | 1580     | 1.8      | 2        | 1.78     | <0.5     | 11       | 32       | 7        | 2.62     | 20     |
| B280187            |                          | 0.69         | <0.01   | <0.5     | 7.19     | <5       | 2290     | 1.9      | <2       | 2.79     | <0.5     | 12       | 33       | 28       | 2.71     | 20     |
| B280188            |                          | 0.81         | <0.01   | <0.5     | 7.61     | <5       | 2750     | 2.1      | <2       | 2.49     | <0.5     | 12       | 32       | 23       | 2.92     | 20     |
| B280189            |                          | 0.50         | <0.01   | <0.5     | 6.81     | <5       | 2880     | 1.9      | <2       | 2.11     | <0.5     | 9        | 31       | 91       | 2.54     | 20     |
| B280190            |                          | 0.82         | <0.01   | <0.5     | 0.24     | <5       | 10       | <0.5     | 3        | 0.01     | <0.5     | 1        | 13       | 2        | 0.31     | <10    |
| B280191            |                          | 1.46         | <0.01   | <0.5     | 7.18     | <5       | 2450     | 1.9      | 5        | 2.32     | <0.5     | 11       | 33       | 8        | 2.69     | 20     |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| B280152            |                          | 2.81     | 40       | 1.30     | 640      | <1       | 3.40     | 16       | 1480     | 10       | 0.04     | <5       | 10       | 969      | <20      | 0.28 |
| B280153            |                          | 2.35     | 50       | 1.58     | 536      | <1       | 3.47     | 18       | 1490     | 19       | 0.06     | <5       | 10       | 859      | <20      | 0.27 |
| B280154            |                          | 2.82     | 40       | 0.77     | 663      | <1       | 3.39     | 19       | 1500     | 19       | 0.28     | <5       | 9        | 624      | <20      | 0.27 |
| B280155            |                          | 2.46     | 40       | 1.43     | 601      | <1       | 3.43     | 17       | 1410     | 27       | 0.22     | <5       | 9        | 832      | <20      | 0.25 |
| B280156            |                          | 2.25     | 40       | 1.56     | 693      | <1       | 3.24     | 18       | 1400     | 15       | 0.26     | <5       | 9        | 824      | <20      | 0.25 |
| B280157            |                          | 2.25     | 50       | 1.58     | 651      | <1       | 3.50     | 19       | 1540     | 15       | 0.25     | <5       | 11       | 1040     | <20      | 0.29 |
| B280158            |                          | 1.93     | 50       | 1.70     | 723      | <1       | 3.56     | 20       | 1510     | 10       | 0.74     | <5       | 10       | 881      | <20      | 0.28 |
| B280159            |                          | 2.30     | 50       | 1.78     | 667      | <1       | 3.53     | 21       | 1710     | 14       | 0.18     | <5       | 11       | 1185     | <20      | 0.30 |
| B280160            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| B280161            |                          | 2.14     | 40       | 1.47     | 570      | 1        | 3.20     | 14       | 1340     | 15       | 0.39     | <5       | 9        | 1895     | <20      | 0.23 |
| B280162            |                          | 2.71     | 40       | 1.81     | 535      | <1       | 3.62     | 19       | 1640     | 16       | 0.06     | <5       | 10       | 1305     | <20      | 0.29 |
| B280163            |                          | 2.52     | 50       | 1.59     | 605      | 2        | 3.58     | 16       | 1340     | 15       | 0.12     | <5       | 9        | 1130     | <20      | 0.25 |
| B280164            |                          | 2.37     | 40       | 1.86     | 635      | <1       | 3.50     | 20       | 1470     | 106      | 0.12     | <5       | 10       | 953      | <20      | 0.26 |
| B280165            |                          | 2.42     | 40       | 1.82     | 612      | 1        | 3.52     | 19       | 1430     | 65       | 0.11     | <5       | 10       | 1000     | <20      | 0.26 |
| B280166            |                          | 2.33     | 30       | 1.48     | 470      | 1        | 3.47     | 15       | 1130     | 16       | 0.26     | <5       | 8        | 742      | <20      | 0.19 |
| B280167            |                          | 2.20     | 30       | 1.27     | 606      | <1       | 3.59     | 14       | 1150     | 16       | 0.48     | <5       | 7        | 699      | <20      | 0.19 |
| B280168            |                          | 0.64     | 40       | 0.49     | 417      | 679      | 2.27     | 10       | 610      | 39       | 1.11     | <5       | 4        | 339      | <20      | 0.08 |
| B280169            |                          | 2.62     | 40       | 1.76     | 791      | 2        | 3.05     | 71       | 1290     | 10       | 1.38     | <5       | 11       | 591      | <20      | 0.20 |
| B280170            |                          | 0.04     | 10       | 0.01     | 24       | 1        | 0.01     | 1        | 40       | <2       | <0.01    | <5       | 1        | 14       | <20      | 0.03 |
| B280171            |                          | 2.40     | 40       | 2.26     | 773      | 5        | 3.20     | 36       | 1470     | 27       | 0.48     | <5       | 13       | 730      | <20      | 0.24 |
| B280172            |                          | 0.85     | 40       | 2.52     | 820      | 25       | 4.14     | 41       | 1470     | 23       | 0.89     | <5       | 14       | 559      | <20      | 0.24 |
| B280173            |                          | 2.70     | 50       | 2.81     | 834      | 3        | 3.27     | 44       | 1590     | 21       | 0.20     | <5       | 16       | 880      | <20      | 0.30 |
| B280174            |                          | 2.85     | 50       | 2.82     | 799      | 2        | 2.71     | 45       | 1530     | 16       | 0.04     | <5       | 15       | 803      | <20      | 0.28 |
| B280175            |                          | 3.40     | 40       | 3.03     | 871      | 1        | 2.98     | 48       | 1650     | 10       | 0.04     | 5        | 16       | 770      | <20      | 0.31 |
| B280176            |                          | 3.39     | 40       | 2.78     | 796      | 1        | 3.14     | 43       | 1550     | 21       | 0.07     | <5       | 15       | 937      | <20      | 0.29 |
| B280177            |                          | 3.17     | 40       | 2.68     | 758      | <1       | 3.23     | 42       | 1520     | 18       | 0.07     | <5       | 14       | 1050     | <20      | 0.28 |
| B280178            |                          | 3.18     | 40       | 2.78     | 790      | 1        | 3.24     | 45       | 1550     | 18       | 0.04     | <5       | 14       | 1045     | <20      | 0.29 |
| B280179            |                          | 3.21     | 40       | 2.76     | 806      | 1        | 3.20     | 43       | 1520     | 21       | 0.06     | <5       | 15       | 959      | <20      | 0.29 |
| B280180            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| B280181            |                          | 3.21     | 40       | 2.80     | 823      | 1        | 3.35     | 46       | 1580     | 23       | 0.10     | 8        | 15       | 1005     | <20      | 0.29 |
| B280182            |                          | 2.89     | 40       | 2.44     | 703      | <1       | 3.00     | 38       | 1410     | 20       | 0.08     | <5       | 13       | 802      | <20      | 0.26 |
| B280183            |                          | 3.10     | 40       | 2.69     | 757      | <1       | 3.13     | 43       | 1500     | 21       | 0.05     | <5       | 14       | 874      | <20      | 0.28 |
| B280184            |                          | 2.19     | 30       | 1.71     | 632      | 166      | 3.97     | 31       | 1360     | 36       | 0.74     | <5       | 11       | 1590     | <20      | 0.24 |
| B280185            |                          | 0.50     | 40       | 0.77     | 308      | 621      | 3.99     | 12       | 820      | 75       | 1.90     | <5       | 4        | 483      | <20      | 0.11 |
| B280186            |                          | 1.67     | 50       | 1.33     | 405      | 5        | 4.43     | 16       | 1150     | 8        | 1.15     | <5       | 7        | 629      | <20      | 0.17 |
| B280187            |                          | 1.64     | 40       | 1.27     | 584      | 3        | 4.51     | 15       | 1160     | 13       | 1.09     | <5       | 8        | 658      | <20      | 0.18 |
| B280188            |                          | 2.32     | 50       | 1.33     | 589      | 1        | 4.21     | 16       | 1190     | 35       | 0.61     | <5       | 8        | 846      | <20      | 0.18 |
| B280189            |                          | 2.28     | 40       | 1.20     | 504      | 1        | 3.52     | 14       | 1040     | 27       | 0.35     | <5       | 8        | 940      | <20      | 0.20 |
| B280190            |                          | 0.02     | 10       | <0.01    | 22       | <1       | 0.01     | <1       | 20       | <2       | <0.01    | <5       | <1       | 7        | <20      | 0.02 |
| B280191            |                          | 2.68     | 40       | 1.29     | 550      | 1        | 3.54     | 15       | 1100     | 21       | 0.04     | 6        | 8        | 1010     | <20      | 0.21 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20066547**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| B280152            |                                   | <10      | <10      | 102      | <10      | 68       |
| B280153            |                                   | <10      | <10      | 102      | <10      | 83       |
| B280154            |                                   | <10      | <10      | 88       | <10      | 62       |
| B280155            |                                   | <10      | <10      | 96       | <10      | 77       |
| B280156            |                                   | <10      | <10      | 93       | <10      | 73       |
| B280157            |                                   | <10      | <10      | 105      | <10      | 72       |
| B280158            |                                   | <10      | <10      | 105      | <10      | 78       |
| B280159            |                                   | <10      | <10      | 112      | <10      | 78       |
| B280160            |                                   |          |          |          |          |          |
| B280161            |                                   | <10      | <10      | 87       | <10      | 67       |
| B280162            |                                   | <10      | <10      | 105      | <10      | 65       |
| B280163            |                                   | <10      | <10      | 93       | <10      | 65       |
| B280164            |                                   | <10      | <10      | 97       | <10      | 77       |
| B280165            |                                   | <10      | <10      | 95       | <10      | 76       |
| B280166            |                                   | <10      | <10      | 81       | <10      | 72       |
| B280167            |                                   | <10      | <10      | 77       | <10      | 65       |
| B280168            |                                   | <10      | <10      | 24       | <10      | 20       |
| B280169            |                                   | <10      | <10      | 101      | <10      | 83       |
| B280170            |                                   | <10      | <10      | 3        | <10      | 3        |
| B280171            |                                   | <10      | <10      | 104      | <10      | 93       |
| B280172            |                                   | <10      | <10      | 114      | <10      | 110      |
| B280173            |                                   | <10      | <10      | 110      | <10      | 84       |
| B280174            |                                   | <10      | <10      | 103      | <10      | 78       |
| B280175            |                                   | <10      | <10      | 112      | <10      | 82       |
| B280176            |                                   | <10      | <10      | 106      | <10      | 77       |
| B280177            |                                   | <10      | <10      | 104      | <10      | 75       |
| B280178            |                                   | <10      | <10      | 106      | <10      | 75       |
| B280179            |                                   | <10      | <10      | 105      | <10      | 75       |
| B280180            |                                   |          |          |          |          |          |
| B280181            |                                   | <10      | <10      | 108      | <10      | 78       |
| B280182            |                                   | <10      | <10      | 98       | <10      | 72       |
| B280183            |                                   | <10      | <10      | 106      | <10      | 74       |
| B280184            |                                   | <10      | <10      | 100      | <10      | 73       |
| B280185            |                                   | <10      | <10      | 47       | <10      | 32       |
| B280186            |                                   | <10      | <10      | 61       | <10      | 61       |
| B280187            |                                   | <10      | <10      | 71       | <10      | 62       |
| B280188            |                                   | <10      | <10      | 75       | <10      | 61       |
| B280189            |                                   | <10      | <10      | 69       | <10      | 58       |
| B280190            |                                   | <10      | <10      | 2        | <10      | 2        |
| B280191            |                                   | <10      | <10      | 74       | <10      | 59       |





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Plus Appendix Pages  
 Finalized Date: 16-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20066547**

| Sample Description | Method  | WEI-21    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|---------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    | Analyte | Recvd Wt. | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga       |
|                    | Units   | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      |
|                    | LOD     | 0.02      | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       |
| B280192            |         | 2.17      | <0.01   | <0.5     | 7.40     | <5       | 2400     | 1.9      | <2       | 2.49     | <0.5     | 11       | 39       | 14       | 2.60     | 20       |
| B280193            |         | 2.14      | 0.04    | 0.6      | 7.11     | <5       | 2240     | 2.0      | 2        | 2.66     | <0.5     | 11       | 33       | 76       | 2.56     | 20       |
| B280194            |         | 0.43      | <0.01   | <0.5     | 6.89     | <5       | 2410     | 1.7      | <2       | 2.29     | <0.5     | 7        | 30       | 83       | 2.41     | 20       |
| B280195            |         | 1.55      | <0.01   | <0.5     | 7.42     | <5       | 2530     | 1.9      | 2        | 2.64     | <0.5     | 10       | 33       | 46       | 2.67     | 20       |
| B280196            |         | 2.02      | <0.01   | <0.5     | 7.50     | <5       | 2560     | 2.1      | <2       | 2.43     | <0.5     | 11       | 34       | 13       | 2.76     | 20       |
| B280197            |         | 1.85      | <0.01   | <0.5     | 7.49     | <5       | 2480     | 2.2      | 4        | 2.25     | <0.5     | 10       | 33       | 4        | 2.71     | 20       |
| B280198            |         | 0.86      | <0.01   | <0.5     | 7.54     | <5       | 2600     | 2.1      | <2       | 2.33     | <0.5     | 11       | 36       | 13       | 2.84     | 20       |
| B280199            |         | 0.96      | <0.01   | <0.5     | 7.59     | <5       | 2550     | 2.1      | <2       | 2.23     | <0.5     | 11       | 34       | 18       | 2.73     | 20       |
| B280200            |         | 0.05      | 4.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |
| B280201            |         | 2.07      | <0.01   | <0.5     | 7.83     | <5       | 2640     | 2.1      | <2       | 2.37     | <0.5     | 11       | 35       | 22       | 2.75     | 20       |
| B280202            |         | 1.42      | <0.01   | <0.5     | 7.85     | <5       | 2560     | 2.2      | <2       | 2.32     | <0.5     | 12       | 35       | 58       | 2.79     | 20       |
| B280203            |         | 1.14      | <0.01   | <0.5     | 7.19     | <5       | 2560     | 1.9      | <2       | 2.46     | <0.5     | 10       | 32       | 30       | 2.58     | 20       |
| B280204            |         | 1.17      | <0.01   | <0.5     | 7.65     | <5       | 2550     | 2.2      | 4        | 2.24     | <0.5     | 10       | 34       | 6        | 2.68     | 20       |
| B280205            |         | 1.88      | <0.01   | <0.5     | 7.56     | <5       | 2540     | 2.1      | 3        | 2.28     | <0.5     | 12       | 35       | 23       | 2.74     | 20       |
| B280206            |         | 1.86      | <0.01   | <0.5     | 7.57     | <5       | 2630     | 2.1      | <2       | 2.28     | <0.5     | 12       | 34       | 22       | 2.74     | 20       |
| B280207            |         | 2.08      | <0.01   | <0.5     | 7.84     | <5       | 2580     | 2.1      | <2       | 2.29     | <0.5     | 10       | 36       | 14       | 2.84     | 20       |
| B280208            |         | 1.84      | <0.01   | <0.5     | 7.41     | <5       | 2550     | 2.1      | <2       | 2.29     | <0.5     | 11       | 43       | 60       | 2.79     | 20       |
| B280209            |         | 1.33      | <0.01   | <0.5     | 7.63     | <5       | 2540     | 2.1      | 2        | 2.25     | <0.5     | 10       | 34       | 7        | 2.76     | 20       |
| B280210            |         | 0.64      | <0.01   | <0.5     | 0.34     | <5       | 10       | <0.5     | <2       | 0.01     | <0.5     | <1       | 14       | 1        | 0.35     | <10      |
| B280211            |         | 0.51      | 0.01    | <0.5     | 7.77     | <5       | 2670     | 2.1      | 2        | 2.62     | <0.5     | 12       | 38       | 98       | 2.91     | 20       |
| B280212            |         | 2.06      | <0.01   | <0.5     | 7.30     | <5       | 2620     | 2.0      | <2       | 2.46     | <0.5     | 11       | 36       | 14       | 2.78     | 20       |
| B280213            |         | 2.06      | <0.01   | <0.5     | 7.43     | <5       | 2820     | 1.9      | <2       | 2.80     | <0.5     | 10       | 36       | 16       | 2.81     | 20       |
| B280214            |         | 1.90      | <0.01   | <0.5     | 7.57     | <5       | 2690     | 2.0      | <2       | 2.50     | <0.5     | 12       | 36       | 9        | 2.87     | 20       |
| B280215            |         | 1.90      | <0.01   | <0.5     | 7.86     | <5       | 2780     | 2.1      | 6        | 2.62     | <0.5     | 10       | 36       | 22       | 2.90     | 20       |
| B280216            |         | 2.00      | <0.01   | <0.5     | 7.29     | <5       | 2810     | 1.9      | <2       | 3.05     | <0.5     | 10       | 35       | 33       | 2.77     | 20       |
| B280217            |         | 1.98      | <0.01   | <0.5     | 7.10     | <5       | 2780     | 2.0      | <2       | 2.76     | <0.5     | 11       | 33       | 32       | 2.84     | 20       |
| B280218            |         | 2.12      | <0.01   | <0.5     | 7.23     | <5       | 2490     | 2.0      | <2       | 2.95     | <0.5     | 11       | 37       | 30       | 2.80     | 20       |
| B280219            |         | 2.00      | <0.01   | <0.5     | 7.26     | <5       | 2550     | 2.1      | <2       | 3.40     | <0.5     | 11       | 36       | 13       | 2.77     | 20       |
| B280220            |         | 0.06      | 4.00    |          |          |          |          |          |          |          |          |          |          |          |          |          |
| B280221            |         | 1.24      | <0.01   | <0.5     | 7.68     | <5       | 2720     | 2.0      | <2       | 2.47     | <0.5     | 12       | 36       | 6        | 2.84     | 20       |
| B280222            |         | 0.74      | <0.01   | <0.5     | 7.53     | <5       | 2760     | 2.0      | <2       | 2.50     | <0.5     | 11       | 44       | 22       | 2.91     | 20       |
| B280223            |         | 0.88      | <0.01   | <0.5     | 7.37     | <5       | 2620     | 2.0      | 3        | 2.45     | <0.5     | 11       | 35       | 24       | 2.76     | 20       |
| B280224            |         | 1.52      | <0.01   | <0.5     | 7.78     | <5       | 2460     | 2.1      | <2       | 2.30     | <0.5     | 11       | 33       | 7        | 2.77     | 20       |
| B280225            |         | 0.76      | <0.01   | <0.5     | 7.58     | <5       | 2730     | 2.1      | <2       | 2.11     | <0.5     | 11       | 33       | 32       | 2.77     | 20       |
| B280226            |         | 0.79      | <0.01   | <0.5     | 7.34     | <5       | 2820     | 2.1      | 5        | 2.31     | <0.5     | 12       | 31       | 36       | 3.09     | 20       |
| B280227            |         | 0.81      | <0.01   | <0.5     | 7.57     | <5       | 2690     | 2.2      | 3        | 2.35     | <0.5     | 10       | 33       | 6        | 2.74     | 20       |
| B280228            |         | 0.57      | <0.01   | <0.5     | 7.29     | <5       | 2500     | 2.0      | <2       | 2.41     | <0.5     | 11       | 33       | 36       | 2.74     | 20       |
| B280229            |         | 0.84      | <0.01   | <0.5     | 7.61     | <5       | 2920     | 2.2      | <2       | 2.61     | <0.5     | 12       | 33       | 8        | 2.86     | 20       |
| B280230            |         | 0.69      | <0.01   | <0.5     | 2.69     | <5       | 10       | 0.5      | <2       | 0.01     | <0.5     | 1        | 13       | 2        | 0.65     | 10       |
| B280231            |         | 0.41      | 0.05    | 3.9      | 3.76     | <5       | 880      | 1.0      | 23       | 1.81     | <0.5     | 5        | 22       | 15       | 1.49     | 10       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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**CERTIFICATE OF ANALYSIS TM20066547**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
|                    |                          | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01 |
| B280192            |                          | 2.56     | 40       | 1.27     | 557      | <1       | 3.74     | 17       | 1080     | 25       | 0.11     | <5       | 8        | 1010     | <20      | 0.20 |
| B280193            |                          | 2.51     | 40       | 1.00     | 512      | <1       | 3.37     | 13       | 1050     | 98       | 0.26     | <5       | 8        | 797      | <20      | 0.20 |
| B280194            |                          | 2.59     | 40       | 1.07     | 517      | 1        | 3.25     | 11       | 1030     | 17       | 0.06     | 6        | 7        | 1540     | <20      | 0.20 |
| B280195            |                          | 2.52     | 40       | 1.29     | 574      | 1        | 3.81     | 15       | 1100     | 20       | 0.18     | <5       | 8        | 1025     | <20      | 0.20 |
| B280196            |                          | 2.61     | 40       | 1.32     | 606      | <1       | 3.74     | 16       | 1120     | 25       | 0.04     | <5       | 8        | 1185     | <20      | 0.22 |
| B280197            |                          | 2.49     | 40       | 1.31     | 592      | <1       | 3.71     | 15       | 1090     | 21       | 0.03     | <5       | 8        | 1080     | <20      | 0.21 |
| B280198            |                          | 2.59     | 40       | 1.38     | 611      | 1        | 3.87     | 16       | 1150     | 22       | 0.13     | <5       | 8        | 1135     | <20      | 0.22 |
| B280199            |                          | 2.57     | 40       | 1.40     | 583      | 1        | 3.90     | 16       | 1150     | 27       | 0.15     | <5       | 8        | 1095     | <20      | 0.22 |
| B280200            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| B280201            |                          | 2.67     | 50       | 1.34     | 625      | <1       | 3.92     | 17       | 1120     | 27       | 0.07     | <5       | 9        | 1385     | <20      | 0.22 |
| B280202            |                          | 2.79     | 40       | 1.32     | 614      | 1        | 3.94     | 15       | 1090     | 30       | 0.08     | <5       | 8        | 1310     | <20      | 0.22 |
| B280203            |                          | 2.42     | 40       | 1.22     | 585      | 1        | 3.71     | 14       | 1040     | 25       | 0.19     | <5       | 8        | 996      | <20      | 0.20 |
| B280204            |                          | 2.72     | 40       | 1.26     | 579      | <1       | 3.83     | 16       | 1060     | 31       | 0.02     | <5       | 8        | 1280     | <20      | 0.22 |
| B280205            |                          | 2.63     | 40       | 1.31     | 601      | 1        | 3.79     | 16       | 1080     | 30       | 0.02     | <5       | 8        | 1315     | <20      | 0.22 |
| B280206            |                          | 2.81     | 40       | 1.30     | 607      | <1       | 3.84     | 15       | 1110     | 34       | 0.06     | <5       | 8        | 1300     | <20      | 0.22 |
| B280207            |                          | 2.78     | 50       | 1.40     | 626      | 1        | 3.94     | 17       | 1130     | 22       | 0.06     | <5       | 9        | 1235     | <20      | 0.22 |
| B280208            |                          | 2.70     | 40       | 1.41     | 606      | 8        | 3.82     | 17       | 1100     | 18       | 0.08     | <5       | 8        | 1070     | <20      | 0.22 |
| B280209            |                          | 2.83     | 40       | 1.31     | 624      | <1       | 3.91     | 15       | 1100     | 29       | 0.02     | <5       | 8        | 1255     | <20      | 0.22 |
| B280210            |                          | 0.03     | 10       | 0.01     | 19       | <1       | 0.01     | 2        | 20       | <2       | <0.01    | <5       | <1       | 10       | <20      | 0.02 |
| B280211            |                          | 2.57     | 40       | 1.35     | 629      | 1        | 3.93     | 16       | 1180     | 22       | 0.07     | <5       | 9        | 1395     | 20       | 0.23 |
| B280212            |                          | 2.57     | 40       | 1.30     | 624      | 1        | 3.73     | 16       | 1140     | 25       | 0.02     | <5       | 8        | 1365     | <20      | 0.22 |
| B280213            |                          | 2.62     | 40       | 1.34     | 653      | <1       | 3.60     | 15       | 1140     | 22       | 0.05     | 8        | 8        | 1170     | <20      | 0.22 |
| B280214            |                          | 2.65     | 40       | 1.33     | 624      | <1       | 3.79     | 17       | 1190     | 23       | 0.02     | <5       | 8        | 1285     | <20      | 0.23 |
| B280215            |                          | 2.66     | 50       | 1.38     | 648      | 1        | 3.86     | 16       | 1190     | 23       | 0.06     | <5       | 9        | 1715     | <20      | 0.23 |
| B280216            |                          | 2.36     | 40       | 1.34     | 620      | <1       | 3.75     | 16       | 1140     | 18       | 0.19     | <5       | 8        | 1070     | <20      | 0.22 |
| B280217            |                          | 2.48     | 30       | 1.35     | 600      | 1        | 3.49     | 14       | 1120     | 18       | 0.16     | <5       | 8        | 965      | <20      | 0.22 |
| B280218            |                          | 2.50     | 40       | 1.29     | 617      | 1        | 3.55     | 15       | 1130     | 22       | 0.19     | <5       | 8        | 943      | <20      | 0.22 |
| B280219            |                          | 2.34     | 40       | 1.25     | 662      | 1        | 3.82     | 14       | 1160     | 21       | 0.23     | <5       | 8        | 924      | <20      | 0.23 |
| B280220            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| B280221            |                          | 2.59     | 50       | 1.36     | 635      | <1       | 3.81     | 16       | 1140     | 27       | 0.02     | 5        | 8        | 1500     | <20      | 0.22 |
| B280222            |                          | 2.62     | 40       | 1.40     | 646      | <1       | 3.77     | 18       | 1120     | 27       | 0.07     | <5       | 8        | 1320     | <20      | 0.23 |
| B280223            |                          | 2.65     | 50       | 1.32     | 611      | <1       | 3.78     | 15       | 1110     | 72       | 0.18     | <5       | 8        | 1215     | <20      | 0.22 |
| B280224            |                          | 2.72     | 40       | 1.29     | 610      | <1       | 3.95     | 16       | 1080     | 25       | 0.03     | <5       | 8        | 1160     | <20      | 0.21 |
| B280225            |                          | 2.70     | 50       | 1.33     | 594      | 6        | 3.88     | 16       | 1140     | 26       | 0.43     | <5       | 8        | 1495     | <20      | 0.22 |
| B280226            |                          | 2.45     | 50       | 1.27     | 583      | 35       | 3.71     | 15       | 1070     | 62       | 0.77     | <5       | 8        | 1700     | <20      | 0.21 |
| B280227            |                          | 2.81     | 40       | 1.33     | 614      | <1       | 3.83     | 16       | 1140     | 17       | 0.05     | <5       | 8        | 987      | <20      | 0.22 |
| B280228            |                          | 2.63     | 40       | 1.29     | 601      | 1        | 3.66     | 17       | 1110     | 17       | 0.04     | <5       | 8        | 1215     | <20      | 0.21 |
| B280229            |                          | 2.81     | 40       | 1.36     | 611      | 1        | 3.81     | 16       | 1190     | 19       | 0.08     | <5       | 8        | 1060     | <20      | 0.22 |
| B280230            |                          | 0.03     | 20       | 0.02     | 29       | <1       | 0.01     | 4        | 50       | <2       | <0.01    | <5       | 1        | 10       | <20      | 0.09 |
| B280231            |                          | 1.42     | 20       | 0.53     | 293      | 1520     | 1.74     | 6        | 500      | 469      | 0.90     | <5       | 3        | 697      | <20      | 0.09 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Plus Appendix Pages  
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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20066547**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| B280192            |                                   | <10      | <10      | 73       | <10      | 59       |
| B280193            |                                   | <10      | <10      | 73       | <10      | 53       |
| B280194            |                                   | <10      | <10      | 72       | <10      | 49       |
| B280195            |                                   | <10      | <10      | 76       | <10      | 58       |
| B280196            |                                   | <10      | <10      | 77       | <10      | 61       |
| B280197            |                                   | <10      | <10      | 75       | <10      | 60       |
| B280198            |                                   | <10      | <10      | 80       | <10      | 63       |
| B280199            |                                   | <10      | <10      | 78       | <10      | 62       |
| B280200            |                                   |          |          |          |          |          |
| B280201            |                                   | <10      | <10      | 77       | <10      | 62       |
| B280202            |                                   | <10      | <10      | 77       | <10      | 74       |
| B280203            |                                   | <10      | <10      | 74       | <10      | 57       |
| B280204            |                                   | <10      | <10      | 75       | <10      | 60       |
| B280205            |                                   | <10      | <10      | 75       | <10      | 62       |
| B280206            |                                   | <10      | <10      | 76       | <10      | 60       |
| B280207            |                                   | <10      | <10      | 77       | <10      | 63       |
| B280208            |                                   | <10      | <10      | 77       | <10      | 65       |
| B280209            |                                   | <10      | <10      | 74       | <10      | 61       |
| B280210            |                                   | <10      | <10      | 3        | <10      | <2       |
| B280211            |                                   | <10      | <10      | 80       | <10      | 68       |
| B280212            |                                   | <10      | <10      | 78       | 10       | 66       |
| B280213            |                                   | <10      | <10      | 78       | <10      | 64       |
| B280214            |                                   | <10      | <10      | 79       | <10      | 65       |
| B280215            |                                   | <10      | <10      | 80       | <10      | 64       |
| B280216            |                                   | 10       | <10      | 78       | <10      | 66       |
| B280217            |                                   | <10      | <10      | 82       | <10      | 66       |
| B280218            |                                   | <10      | <10      | 77       | <10      | 62       |
| B280219            |                                   | <10      | <10      | 73       | <10      | 61       |
| B280220            |                                   |          |          |          |          |          |
| B280221            |                                   | <10      | <10      | 80       | <10      | 63       |
| B280222            |                                   | <10      | <10      | 80       | <10      | 66       |
| B280223            |                                   | <10      | <10      | 81       | <10      | 61       |
| B280224            |                                   | <10      | <10      | 77       | <10      | 59       |
| B280225            |                                   | <10      | <10      | 80       | <10      | 61       |
| B280226            |                                   | <10      | <10      | 76       | <10      | 58       |
| B280227            |                                   | <10      | <10      | 78       | <10      | 59       |
| B280228            |                                   | <10      | <10      | 75       | <10      | 59       |
| B280229            |                                   | 10       | <10      | 80       | <10      | 61       |
| B280230            |                                   | <10      | <10      | 11       | <10      | 12       |
| B280231            |                                   | <10      | <10      | 34       | <10      | 25       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Plus Appendix Pages  
 Finalized Date: 16-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20066547**

| Sample Description | Method  | WEI-21    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|---------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    | Analyte | Recvd Wt. | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga       |
| Units              |         | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      |
| LOD                |         | 0.02      | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       |
| B280232            |         | 0.83      | <0.01   | <0.5     | 7.55     | <5       | 2590     | 2.1      | 2        | 2.38     | <0.5     | 11       | 36       | 10       | 2.84     | 20       |
| B280233            |         | 0.81      | <0.01   | <0.5     | 7.52     | <5       | 2550     | 2.2      | <2       | 2.39     | <0.5     | 9        | 34       | 10       | 2.78     | 20       |
| B280234            |         | 0.91      | <0.01   | <0.5     | 7.64     | 5        | 2670     | 2.2      | 2        | 2.44     | <0.5     | 13       | 35       | 10       | 2.85     | 20       |
| B280235            |         | 0.58      | <0.01   | <0.5     | 7.71     | <5       | 2810     | 2.2      | <2       | 2.50     | <0.5     | 14       | 43       | 31       | 2.90     | 20       |
| B280236            |         | 1.19      | <0.01   | <0.5     | 7.24     | <5       | 2600     | 2.0      | <2       | 2.61     | <0.5     | 10       | 39       | 10       | 2.75     | 20       |
| B280237            |         | 0.78      | <0.01   | 1.8      | 7.17     | <5       | 4090     | 1.9      | 10       | 2.31     | <0.5     | 10       | 32       | 16       | 2.71     | 20       |
| B280238            |         | 0.74      | <0.01   | 0.9      | 6.88     | <5       | 2460     | 1.9      | 3        | 2.34     | <0.5     | 11       | 31       | 23       | 2.54     | 20       |
| B280239            |         | 1.87      | <0.01   | <0.5     | 7.38     | <5       | 2750     | 2.0      | <2       | 2.64     | <0.5     | 10       | 34       | 42       | 2.78     | 20       |
| B280240            |         | 0.06      | 4.10    |          |          |          |          |          |          |          |          |          |          |          |          |          |
| B280241            |         | 1.96      | 0.01    | <0.5     | 7.54     | <5       | 2680     | 2.0      | <2       | 2.53     | <0.5     | 11       | 35       | 42       | 2.85     | 20       |
| B280242            |         | 2.02      | <0.01   | <0.5     | 7.53     | <5       | 2580     | 2.0      | <2       | 2.46     | <0.5     | 10       | 41       | 81       | 2.80     | 20       |
| B280243            |         | 2.09      | <0.01   | <0.5     | 7.71     | <5       | 2630     | 2.0      | <2       | 2.58     | <0.5     | 10       | 37       | 44       | 2.95     | 20       |
| B280244            |         | 1.50      | <0.01   | <0.5     | 7.62     | <5       | 2670     | 2.0      | <2       | 2.45     | <0.5     | 12       | 36       | 6        | 2.89     | 20       |
| B280245            |         | 1.83      | <0.01   | <0.5     | 7.66     | <5       | 2690     | 2.0      | <2       | 2.44     | <0.5     | 12       | 36       | 37       | 2.92     | 20       |
| B280246            |         | 2.51      | <0.01   | <0.5     | 7.84     | <5       | 2760     | 2.1      | <2       | 2.64     | <0.5     | 13       | 37       | 6        | 2.99     | 20       |
| B280247            |         | 1.87      | <0.01   | <0.5     | 7.47     | <5       | 2520     | 2.1      | <2       | 2.58     | <0.5     | 11       | 53       | 3        | 2.88     | 20       |
| B280248            |         | 1.97      | <0.01   | <0.5     | 7.47     | <5       | 2440     | 2.1      | 4        | 2.95     | <0.5     | 15       | 80       | 16       | 3.31     | 20       |
| B280249            |         | 2.19      | <0.01   | <0.5     | 7.49     | <5       | 2600     | 2.1      | 2        | 2.42     | <0.5     | 11       | 36       | 7        | 2.87     | 20       |
| B280250            |         | 0.62      | <0.01   | <0.5     | 1.19     | <5       | 30       | <0.5     | <2       | 0.02     | <0.5     | 2        | 13       | 8        | 0.65     | <10      |
| B280251            |         | 0.77      | 0.07    | 0.7      | 5.69     | <5       | 1620     | 1.9      | 4        | 4.06     | <0.5     | 12       | 68       | 59       | 2.30     | 20       |
| B280252            |         | 0.82      | 0.04    | <0.5     | 7.18     | <5       | 2880     | 1.9      | <2       | 3.45     | <0.5     | 12       | 35       | 18       | 2.78     | 20       |
| B280253            |         | 1.80      | <0.01   | <0.5     | 8.02     | <5       | 2690     | 2.1      | <2       | 2.54     | <0.5     | 12       | 36       | 6        | 2.97     | 20       |
| B280254            |         | 1.17      | <0.01   | <0.5     | 7.82     | <5       | 2770     | 2.0      | <2       | 2.63     | <0.5     | 12       | 36       | 4        | 2.97     | 20       |
| B280255            |         | 0.87      | <0.01   | <0.5     | 7.30     | <5       | 2550     | 1.9      | <2       | 2.68     | <0.5     | 10       | 33       | 7        | 2.72     | 20       |
| B280256            |         | 1.37      | <0.01   | <0.5     | 7.26     | 5        | 2500     | 1.9      | <2       | 2.39     | <0.5     | 11       | 34       | 35       | 2.64     | 20       |
| B280257            |         | 0.62      | 0.40    | <0.5     | 6.09     | <5       | 720      | 1.5      | <2       | 2.82     | <0.5     | 10       | 28       | 23       | 2.22     | 20       |
| B280258            |         | 1.29      | 0.04    | <0.5     | 7.38     | <5       | 2780     | 1.8      | <2       | 2.60     | <0.5     | 11       | 34       | 14       | 2.77     | 20       |
| B280259            |         | 2.63      | <0.01   | <0.5     | 7.75     | <5       | 2700     | 2.1      | <2       | 2.58     | <0.5     | 12       | 35       | 6        | 2.88     | 20       |
| B280260            |         | 0.06      | 4.06    |          |          |          |          |          |          |          |          |          |          |          |          |          |
| B280261            |         | 2.82      | <0.01   | <0.5     | 7.95     | <5       | 2730     | 2.1      | <2       | 2.63     | <0.5     | 11       | 34       | 8        | 2.89     | 20       |
| B280262            |         | 1.86      | <0.01   | <0.5     | 8.00     | <5       | 2880     | 2.1      | <2       | 2.64     | <0.5     | 12       | 37       | 29       | 3.07     | 20       |
| B280263            |         | 1.37      | <0.01   | <0.5     | 7.96     | <5       | 2840     | 2.0      | <2       | 2.72     | 0.6      | 12       | 35       | 4        | 2.95     | 20       |
| B280264            |         | 1.32      | 0.02    | <0.5     | 7.38     | <5       | 2670     | 1.9      | <2       | 2.51     | <0.5     | 12       | 34       | 152      | 2.81     | 20       |
| B280265            |         | 0.44      | <0.01   | <0.5     | 7.57     | <5       | 2630     | 2.0      | <2       | 2.25     | <0.5     | 11       | 34       | 81       | 2.78     | 20       |
| B280266            |         | 0.49      | <0.01   | <0.5     | 7.83     | <5       | 2680     | 2.0      | <2       | 2.32     | <0.5     | 12       | 36       | 75       | 2.97     | 20       |
| B280267            |         | 1.46      | 0.01    | 0.5      | 7.44     | <5       | 3130     | 2.0      | <2       | 2.54     | <0.5     | 12       | 37       | 86       | 2.88     | 20       |
| B280268            |         | 0.53      | 0.18    | 14.5     | 0.32     | <5       | 700      | <0.5     | 58       | 0.19     | <0.5     | 2        | 12       | 6        | 0.70     | <10      |
| B280269            |         | 1.19      | <0.01   | <0.5     | 7.12     | <5       | 2980     | 1.9      | <2       | 2.75     | <0.5     | 11       | 34       | 40       | 2.99     | 20       |
| B280270            |         | 0.46      | <0.01   | <0.5     | 0.74     | 5        | 20       | <0.5     | <2       | 0.01     | <0.5     | <1       | 14       | 3        | 0.54     | <10      |
| B280271            |         | 1.87      | <0.01   | <0.5     | 8.00     | <5       | 2900     | 2.1      | <2       | 2.54     | <0.5     | 12       | 36       | 17       | 2.99     | 20       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 VANCOUVER BC V6C 2V6

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| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| B280232            |                          | 2.68     | 40       | 1.32     | 601      | 3        | 3.78     | 17       | 1110     | 23       | 0.08     | <5       | 8        | 1305     | <20      | 0.22 |
| B280233            |                          | 2.68     | 40       | 1.31     | 592      | 1        | 3.80     | 16       | 1130     | 26       | 0.09     | <5       | 8        | 1490     | 20       | 0.21 |
| B280234            |                          | 2.77     | 40       | 1.32     | 615      | 1        | 3.81     | 16       | 1130     | 34       | 0.07     | <5       | 8        | 1320     | <20      | 0.22 |
| B280235            |                          | 2.73     | 40       | 1.41     | 641      | 1        | 3.88     | 20       | 1150     | 29       | 0.33     | <5       | 9        | 1205     | 20       | 0.23 |
| B280236            |                          | 2.58     | 40       | 1.30     | 632      | 1        | 3.72     | 19       | 1100     | 28       | 0.12     | 8        | 8        | 1425     | <20      | 0.21 |
| B280237            |                          | 2.29     | 40       | 1.24     | 557      | 69       | 3.56     | 12       | 1060     | 221      | 0.39     | <5       | 8        | 1010     | <20      | 0.20 |
| B280238            |                          | 1.98     | 40       | 1.18     | 555      | 14       | 3.84     | 15       | 1050     | 26       | 0.51     | <5       | 7        | 6240     | 20       | 0.20 |
| B280239            |                          | 2.44     | 40       | 1.28     | 602      | 1        | 3.78     | 15       | 1120     | 27       | 0.14     | <5       | 8        | 1285     | <20      | 0.21 |
| B280240            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| B280241            |                          | 2.59     | 40       | 1.32     | 625      | <1       | 3.77     | 15       | 1130     | 29       | 0.08     | <5       | 8        | 1420     | <20      | 0.22 |
| B280242            |                          | 2.51     | 50       | 1.32     | 614      | 1        | 3.69     | 17       | 1140     | 25       | 0.05     | <5       | 8        | 1705     | 20       | 0.22 |
| B280243            |                          | 2.55     | 50       | 1.39     | 659      | 1        | 3.81     | 18       | 1160     | 26       | 0.04     | <5       | 9        | 1575     | <20      | 0.23 |
| B280244            |                          | 2.66     | 40       | 1.34     | 635      | 1        | 3.84     | 15       | 1170     | 26       | 0.03     | <5       | 8        | 1730     | 20       | 0.22 |
| B280245            |                          | 2.67     | 40       | 1.35     | 645      | 1        | 3.83     | 15       | 1190     | 29       | 0.04     | <5       | 8        | 1815     | <20      | 0.23 |
| B280246            |                          | 2.61     | 50       | 1.42     | 676      | 1        | 3.91     | 15       | 1210     | 27       | 0.02     | 5        | 9        | 1630     | 20       | 0.23 |
| B280247            |                          | 2.61     | 40       | 1.36     | 647      | 1        | 3.76     | 18       | 1170     | 23       | 0.02     | 5        | 8        | 1360     | <20      | 0.22 |
| B280248            |                          | 2.42     | 40       | 1.80     | 681      | 1        | 3.84     | 28       | 1300     | 28       | 0.03     | <5       | 10       | 1435     | <20      | 0.27 |
| B280249            |                          | 2.62     | 40       | 1.30     | 611      | <1       | 3.82     | 16       | 1140     | 30       | 0.04     | <5       | 8        | 1265     | <20      | 0.22 |
| B280250            |                          | 0.07     | 10       | 0.03     | 25       | 1        | 0.01     | 9        | 60       | 6        | <0.01    | <5       | 1        | 22       | <20      | 0.03 |
| B280251            |                          | 1.84     | 40       | 0.73     | 539      | 719      | 2.42     | 23       | 930      | 92       | 0.91     | <5       | 8        | >10000   | 60       | 0.20 |
| B280252            |                          | 2.54     | 30       | 1.03     | 572      | 3        | 3.86     | 18       | 1180     | 36       | 0.29     | <5       | 8        | 1325     | <20      | 0.22 |
| B280253            |                          | 2.62     | 50       | 1.39     | 635      | 1        | 4.02     | 17       | 1210     | 27       | 0.05     | <5       | 9        | 1725     | 20       | 0.23 |
| B280254            |                          | 2.70     | 40       | 1.38     | 630      | 1        | 3.99     | 18       | 1190     | 26       | 0.05     | <5       | 8        | 1445     | 20       | 0.23 |
| B280255            |                          | 2.42     | 40       | 1.24     | 604      | 1        | 3.75     | 18       | 1110     | 30       | 0.12     | <5       | 8        | 1065     | <20      | 0.21 |
| B280256            |                          | 2.44     | 40       | 1.28     | 575      | <1       | 3.67     | 17       | 1100     | 24       | 0.37     | <5       | 8        | 1010     | <20      | 0.21 |
| B280257            |                          | 0.70     | 40       | 0.97     | 548      | <1       | 4.11     | 14       | 920      | 48       | 1.29     | <5       | 6        | 585      | <20      | 0.17 |
| B280258            |                          | 2.48     | 40       | 1.32     | 582      | <1       | 3.83     | 17       | 1150     | 26       | 0.26     | <5       | 8        | 1095     | <20      | 0.22 |
| B280259            |                          | 2.58     | 40       | 1.34     | 631      | <1       | 3.88     | 17       | 1180     | 29       | 0.03     | <5       | 8        | 1550     | 20       | 0.23 |
| B280260            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| B280261            |                          | 2.62     | 50       | 1.36     | 636      | <1       | 3.88     | 19       | 1170     | 30       | 0.04     | <5       | 9        | 1725     | 20       | 0.23 |
| B280262            |                          | 2.69     | 50       | 1.40     | 657      | <1       | 4.00     | 20       | 1210     | 28       | 0.08     | <5       | 9        | 1570     | 20       | 0.23 |
| B280263            |                          | 2.59     | 40       | 1.39     | 641      | <1       | 4.06     | 18       | 1200     | 26       | 0.05     | <5       | 9        | 1450     | <20      | 0.23 |
| B280264            |                          | 2.50     | 40       | 1.30     | 610      | 1        | 3.79     | 18       | 1160     | 28       | 0.11     | <5       | 8        | 1355     | <20      | 0.22 |
| B280265            |                          | 2.69     | 40       | 1.32     | 606      | 1        | 3.77     | 18       | 1140     | 20       | 0.15     | <5       | 8        | 1435     | <20      | 0.22 |
| B280266            |                          | 2.78     | 50       | 1.40     | 634      | 1        | 3.88     | 19       | 1210     | 25       | 0.19     | <5       | 9        | 1470     | 20       | 0.23 |
| B280267            |                          | 2.47     | 40       | 1.39     | 623      | 109      | 4.06     | 17       | 1210     | 49       | 0.50     | <5       | 8        | 1090     | <20      | 0.22 |
| B280268            |                          | 0.04     | <10      | 0.06     | 60       | 2090     | 0.22     | 2        | 20       | 1105     | 0.71     | <5       | <1       | 336      | <20      | 0.01 |
| B280269            |                          | 2.52     | 40       | 1.40     | 578      | 26       | 3.69     | 19       | 1180     | 26       | 0.62     | <5       | 8        | 964      | <20      | 0.18 |
| B280270            |                          | 0.04     | 20       | 0.01     | 28       | 4        | 0.02     | 3        | 40       | 2        | <0.01    | <5       | <1       | 17       | <20      | 0.04 |
| B280271            |                          | 2.95     | 40       | 1.41     | 600      | <1       | 4.08     | 18       | 1230     | 26       | 0.16     | <5       | 9        | 1230     | <20      | 0.23 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20066547**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| B280232            |                                   | <10      | <10      | 78       | <10      | 62       |
| B280233            |                                   | <10      | <10      | 77       | <10      | 62       |
| B280234            |                                   | <10      | <10      | 79       | <10      | 62       |
| B280235            |                                   | <10      | <10      | 81       | <10      | 64       |
| B280236            |                                   | <10      | <10      | 76       | <10      | 60       |
| B280237            |                                   | <10      | <10      | 75       | <10      | 57       |
| B280238            |                                   | 10       | <10      | 72       | <10      | 56       |
| B280239            |                                   | <10      | <10      | 77       | <10      | 62       |
| B280240            |                                   |          |          |          |          |          |
| B280241            |                                   | <10      | <10      | 79       | <10      | 63       |
| B280242            |                                   | <10      | <10      | 77       | <10      | 62       |
| B280243            |                                   | <10      | <10      | 83       | 10       | 64       |
| B280244            |                                   | <10      | <10      | 80       | <10      | 62       |
| B280245            |                                   | <10      | <10      | 79       | <10      | 63       |
| B280246            |                                   | <10      | <10      | 82       | <10      | 66       |
| B280247            |                                   | <10      | <10      | 80       | <10      | 62       |
| B280248            |                                   | <10      | <10      | 92       | <10      | 67       |
| B280249            |                                   | <10      | <10      | 78       | <10      | 61       |
| B280250            |                                   | <10      | <10      | 5        | <10      | 11       |
| B280251            |                                   | <10      | 10       | 84       | 10       | 45       |
| B280252            |                                   | 10       | <10      | 79       | 10       | 64       |
| B280253            |                                   | <10      | <10      | 80       | <10      | 65       |
| B280254            |                                   | <10      | <10      | 82       | <10      | 63       |
| B280255            |                                   | 10       | <10      | 74       | <10      | 61       |
| B280256            |                                   | <10      | <10      | 76       | <10      | 61       |
| B280257            |                                   | <10      | <10      | 46       | <10      | 45       |
| B280258            |                                   | <10      | <10      | 76       | <10      | 63       |
| B280259            |                                   | <10      | <10      | 77       | <10      | 64       |
| B280260            |                                   |          |          |          |          |          |
| B280261            |                                   | <10      | <10      | 77       | <10      | 66       |
| B280262            |                                   | <10      | <10      | 83       | <10      | 67       |
| B280263            |                                   | <10      | <10      | 81       | <10      | 65       |
| B280264            |                                   | <10      | <10      | 81       | <10      | 62       |
| B280265            |                                   | <10      | <10      | 79       | <10      | 62       |
| B280266            |                                   | <10      | <10      | 83       | <10      | 65       |
| B280267            |                                   | <10      | <10      | 81       | <10      | 62       |
| B280268            |                                   | <10      | <10      | 3        | <10      | 3        |
| B280269            |                                   | <10      | <10      | 80       | <10      | 62       |
| B280270            |                                   | <10      | <10      | 4        | <10      | 3        |
| B280271            |                                   | <10      | <10      | 86       | <10      | 60       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20066547**

| Sample Description | Method Analyte Units LOD | WEI-21       | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|--------------------|--------------------------|--------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Recvd Wt. kg | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm |
|                    |                          | 0.02         | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10     |
| B280272            |                          | 2.83         | <0.01   | <0.5     | 7.83     | <5       | 2770     | 2.1      | <2       | 2.75     | <0.5     | 11       | 35       | 30       | 2.94     | 20     |
| B280273            |                          | 1.16         | <0.01   | <0.5     | 7.94     | <5       | 2670     | 2.2      | <2       | 2.40     | <0.5     | 12       | 36       | 27       | 3.09     | 20     |
| B280274            |                          | 1.19         | <0.01   | <0.5     | 7.45     | <5       | 2640     | 2.0      | <2       | 2.60     | <0.5     | 11       | 34       | 43       | 2.86     | 20     |
| B280275            |                          | 1.12         | <0.01   | <0.5     | 7.98     | <5       | 2810     | 2.1      | <2       | 2.49     | <0.5     | 12       | 38       | 26       | 2.98     | 20     |
| B280276            |                          | 1.93         | <0.01   | <0.5     | 7.52     | <5       | 2830     | 2.1      | <2       | 2.53     | <0.5     | 12       | 36       | 18       | 2.84     | 20     |
| B280277            |                          | 2.37         | <0.01   | <0.5     | 7.87     | <5       | 2780     | 2.1      | <2       | 2.49     | <0.5     | 12       | 36       | 20       | 2.87     | 20     |
| B280278            |                          | 0.73         | <0.01   | <0.5     | 7.48     | <5       | 2680     | 2.0      | 3        | 2.38     | <0.5     | 10       | 35       | 17       | 2.77     | 20     |
| B280279            |                          | 2.83         | <0.01   | <0.5     | 7.94     | <5       | 2780     | 2.1      | <2       | 2.49     | <0.5     | 11       | 37       | 14       | 2.99     | 20     |
| B280280            |                          | 0.06         | 4.06    |          |          |          |          |          |          |          |          |          |          |          |          |        |
| B280281            |                          | 2.27         | <0.01   | <0.5     | 7.99     | <5       | 2820     | 2.0      | <2       | 2.62     | <0.5     | 12       | 37       | 31       | 3.01     | 20     |
| B280282            |                          | 3.55         | <0.01   | <0.5     | 7.92     | <5       | 2800     | 2.1      | <2       | 2.56     | <0.5     | 12       | 36       | 13       | 3.02     | 20     |
| B280283            |                          | 2.26         | 0.01    | <0.5     | 7.99     | 5        | 2710     | 2.1      | <2       | 2.90     | <0.5     | 12       | 38       | 23       | 3.13     | 20     |
| B280284            |                          | 0.99         | <0.01   | <0.5     | 8.14     | <5       | 2850     | 2.2      | <2       | 2.64     | <0.5     | 12       | 37       | 13       | 3.12     | 20     |
| B280285            |                          | 2.95         | <0.01   | <0.5     | 7.86     | <5       | 2760     | 2.1      | <2       | 2.67     | <0.5     | 13       | 37       | 11       | 3.00     | 20     |
| B280286            |                          | 1.29         | <0.01   | 0.6      | 7.95     | <5       | 2830     | 2.2      | <2       | 2.43     | <0.5     | 13       | 37       | 292      | 3.05     | 20     |
| B280287            |                          | 2.77         | <0.01   | <0.5     | 7.50     | <5       | 2920     | 1.9      | <2       | 2.76     | <0.5     | 12       | 38       | 9        | 2.98     | 20     |
| B280288            |                          | 2.35         | <0.01   | <0.5     | 7.65     | <5       | 2720     | 2.0      | <2       | 2.65     | <0.5     | 12       | 38       | 6        | 2.97     | 20     |
| B280289            |                          | 2.25         | 0.01    | <0.5     | 7.35     | <5       | 2750     | 2.0      | <2       | 2.64     | 0.5      | 12       | 37       | 42       | 2.96     | 20     |
| B280290            |                          | 0.42         | <0.01   | <0.5     | 0.26     | <5       | 10       | <0.5     | <2       | 0.01     | <0.5     | <1       | 17       | 2        | 0.38     | <10    |
| B280291            |                          | 0.79         | 0.25    | 3.8      | 6.77     | 5        | 2590     | 1.6      | 13       | 3.41     | 0.6      | 11       | 32       | 21       | 2.56     | 20     |
| B280292            |                          | 0.88         | 0.02    | <0.5     | 6.79     | <5       | 3170     | 1.6      | <2       | 3.31     | <0.5     | 12       | 37       | 26       | 2.72     | 20     |
| B280293            |                          | 1.19         | <0.01   | <0.5     | 7.52     | <5       | 2790     | 1.9      | <2       | 2.54     | <0.5     | 11       | 36       | 3        | 2.99     | 20     |
| B280294            |                          | 2.41         | <0.01   | <0.5     | 7.48     | <5       | 2810     | 1.9      | <2       | 2.78     | <0.5     | 12       | 40       | 13       | 3.06     | 20     |
| B280295            |                          | 2.28         | <0.01   | <0.5     | 7.27     | <5       | 2510     | 1.9      | <2       | 2.57     | <0.5     | 10       | 43       | 11       | 2.67     | 20     |
| B280296            |                          | 0.71         | 0.03    | <0.5     | 6.41     | <5       | 1080     | 2.6      | 2        | 3.85     | 0.6      | 25       | 350      | 38       | 4.43     | 20     |
| B280297            |                          | 0.73         | 0.07    | 0.9      | 7.20     | <5       | 2050     | 2.2      | 6        | 2.28     | <0.5     | 13       | 57       | 36       | 2.98     | 20     |
| B280298            |                          | 0.43         | 0.01    | 0.7      | 6.87     | <5       | 2230     | 2.0      | 4        | 2.98     | 0.8      | 14       | 57       | 31       | 3.20     | 20     |
| B280299            |                          | 0.52         | 0.01    | 0.8      | 7.33     | 5        | 2510     | 2.0      | 3        | 2.91     | <0.5     | 13       | 56       | 30       | 3.28     | 20     |
| B280300            |                          | 0.06         | 4.03    |          |          |          |          |          |          |          |          |          |          |          |          |        |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**CERTIFICATE OF ANALYSIS TM20066547**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
|                    |                          | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01 |
| B280272            |                          | 2.41     | 40       | 1.35     | 634      | <1       | 4.23     | 18       | 1190     | 22       | 0.40     | <5       | 8        | 1210     | <20      | 0.23 |
| B280273            |                          | 2.38     | 40       | 1.41     | 610      | 2        | 4.40     | 19       | 1250     | 20       | 0.47     | <5       | 9        | 1490     | 20       | 0.23 |
| B280274            |                          | 2.00     | 40       | 1.32     | 606      | 2        | 4.34     | 17       | 1190     | 24       | 0.76     | <5       | 8        | 1310     | <20      | 0.22 |
| B280275            |                          | 2.62     | 50       | 1.40     | 632      | <1       | 4.29     | 19       | 1220     | 24       | 0.20     | <5       | 9        | 1285     | 20       | 0.24 |
| B280276            |                          | 2.39     | 40       | 1.35     | 607      | <1       | 3.95     | 17       | 1170     | 20       | 0.42     | <5       | 8        | 1130     | <20      | 0.21 |
| B280277            |                          | 2.69     | 50       | 1.40     | 668      | <1       | 4.16     | 18       | 1200     | 24       | 0.14     | <5       | 9        | 1150     | <20      | 0.23 |
| B280278            |                          | 2.39     | 40       | 1.30     | 599      | 25       | 3.95     | 17       | 1120     | 63       | 0.25     | <5       | 8        | 1185     | <20      | 0.22 |
| B280279            |                          | 2.73     | 40       | 1.41     | 643      | <1       | 4.23     | 18       | 1220     | 21       | 0.17     | <5       | 9        | 1360     | <20      | 0.23 |
| B280280            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| B280281            |                          | 2.80     | 40       | 1.39     | 635      | 2        | 3.97     | 18       | 1240     | 21       | 0.26     | <5       | 9        | 1150     | <20      | 0.24 |
| B280282            |                          | 2.79     | 40       | 1.39     | 659      | <1       | 4.08     | 18       | 1230     | 21       | 0.08     | <5       | 9        | 1155     | <20      | 0.23 |
| B280283            |                          | 2.58     | 40       | 1.45     | 698      | 3        | 4.37     | 20       | 1300     | 22       | 0.31     | <5       | 9        | 1240     | <20      | 0.25 |
| B280284            |                          | 2.85     | 50       | 1.46     | 699      | 1        | 4.15     | 20       | 1280     | 23       | 0.08     | <5       | 9        | 1355     | 20       | 0.24 |
| B280285            |                          | 2.61     | 50       | 1.41     | 653      | <1       | 4.01     | 18       | 1210     | 61       | 0.13     | <5       | 9        | 1255     | 20       | 0.23 |
| B280286            |                          | 2.64     | 50       | 1.42     | 636      | 5        | 3.99     | 18       | 1250     | 23       | 0.17     | <5       | 9        | 1270     | 20       | 0.23 |
| B280287            |                          | 2.41     | 40       | 1.36     | 643      | <1       | 4.06     | 19       | 1220     | 52       | 0.10     | <5       | 8        | 1110     | <20      | 0.23 |
| B280288            |                          | 2.49     | 50       | 1.38     | 654      | <1       | 3.92     | 18       | 1220     | 21       | 0.03     | <5       | 9        | 1405     | 20       | 0.23 |
| B280289            |                          | 2.36     | 40       | 1.35     | 610      | <1       | 3.97     | 18       | 1230     | 29       | 0.21     | <5       | 8        | 1175     | <20      | 0.23 |
| B280290            |                          | 0.02     | 10       | 0.01     | 27       | <1       | 0.01     | 2        | 30       | 2        | <0.01    | <5       | <1       | 9        | <20      | 0.02 |
| B280291            |                          | 1.22     | 30       | 1.08     | 602      | 288      | 4.25     | 13       | 1050     | 432      | 1.13     | <5       | 7        | 2130     | 20       | 0.20 |
| B280292            |                          | 1.96     | 40       | 1.29     | 572      | 1        | 3.85     | 20       | 1140     | 30       | 0.63     | <5       | 8        | 1505     | <20      | 0.21 |
| B280293            |                          | 2.58     | 40       | 1.37     | 618      | <1       | 3.90     | 19       | 1250     | 17       | 0.03     | <5       | 8        | 1180     | <20      | 0.23 |
| B280294            |                          | 2.47     | 40       | 1.43     | 679      | <1       | 3.89     | 18       | 1250     | 33       | 0.22     | <5       | 9        | 1385     | <20      | 0.24 |
| B280295            |                          | 2.52     | 30       | 1.25     | 584      | <1       | 3.76     | 17       | 1110     | 29       | 0.14     | <5       | 8        | 1125     | <20      | 0.21 |
| B280296            |                          | 1.97     | 30       | 3.77     | 1105     | 88       | 2.65     | 83       | 1150     | 15       | 0.17     | <5       | 18       | 559      | <20      | 0.29 |
| B280297            |                          | 1.61     | 40       | 1.47     | 566      | 100      | 4.32     | 21       | 1230     | 102      | 1.36     | <5       | 9        | 651      | <20      | 0.23 |
| B280298            |                          | 1.93     | 40       | 1.55     | 677      | <1       | 3.90     | 23       | 1270     | 90       | 0.93     | <5       | 9        | 662      | <20      | 0.24 |
| B280299            |                          | 2.07     | 40       | 1.58     | 665      | 1        | 4.06     | 23       | 1290     | 82       | 0.97     | <5       | 10       | 677      | <20      | 0.25 |
| B280300            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |





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 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20066547**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| B280272            |                                   | <10      | <10      | 81       | <10      | 59       |
| B280273            |                                   | <10      | <10      | 86       | <10      | 61       |
| B280274            |                                   | <10      | <10      | 76       | <10      | 59       |
| B280275            |                                   | 10       | <10      | 85       | <10      | 61       |
| B280276            |                                   | <10      | <10      | 79       | <10      | 58       |
| B280277            |                                   | <10      | <10      | 81       | <10      | 62       |
| B280278            |                                   | <10      | <10      | 78       | <10      | 57       |
| B280279            |                                   | <10      | <10      | 82       | <10      | 63       |
| B280280            |                                   |          |          |          |          |          |
| B280281            |                                   | <10      | <10      | 87       | <10      | 63       |
| B280282            |                                   | <10      | <10      | 85       | <10      | 64       |
| B280283            |                                   | <10      | <10      | 86       | <10      | 66       |
| B280284            |                                   | <10      | <10      | 89       | <10      | 63       |
| B280285            |                                   | <10      | <10      | 86       | <10      | 64       |
| B280286            |                                   | <10      | <10      | 89       | <10      | 73       |
| B280287            |                                   | <10      | <10      | 84       | <10      | 64       |
| B280288            |                                   | <10      | <10      | 81       | <10      | 67       |
| B280289            |                                   | <10      | <10      | 85       | <10      | 64       |
| B280290            |                                   | <10      | <10      | 3        | <10      | 2        |
| B280291            |                                   | <10      | <10      | 69       | <10      | 51       |
| B280292            |                                   | <10      | <10      | 74       | <10      | 58       |
| B280293            |                                   | <10      | <10      | 82       | <10      | 67       |
| B280294            |                                   | <10      | <10      | 83       | <10      | 69       |
| B280295            |                                   | <10      | <10      | 72       | <10      | 61       |
| B280296            |                                   | 10       | <10      | 148      | <10      | 152      |
| B280297            |                                   | <10      | <10      | 88       | <10      | 70       |
| B280298            |                                   | <10      | <10      | 88       | <10      | 71       |
| B280299            |                                   | <10      | <10      | 90       | <10      | 70       |
| B280300            |                                   |          |          |          |          |          |



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**CERTIFICATE OF ANALYSIS TM20066547**

| <b>CERTIFICATE COMMENTS</b> |                                                                                                                                                                                                                                                                                   |        |        |        |        |        |        |        |        |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
|                             | <b>LABORATORY ADDRESSES</b>                                                                                                                                                                                                                                                       |        |        |        |        |        |        |        |        |
| Applies to Method:          | <p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.<br/>           Au-AA26 ME-ICP61</p>                                                                                                                                                     |        |        |        |        |        |        |        |        |
| Applies to Method:          | <p>Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.</p> <table border="0"> <tr> <td>CRU-31</td> <td>CRU-QC</td> <td>LOG-21</td> <td>LOG-23</td> </tr> <tr> <td>PUL-31</td> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> </tr> </table> | CRU-31 | CRU-QC | LOG-21 | LOG-23 | PUL-31 | PUL-QC | SPL-21 | WEI-21 |
| CRU-31                      | CRU-QC                                                                                                                                                                                                                                                                            | LOG-21 | LOG-23 |        |        |        |        |        |        |
| PUL-31                      | PUL-QC                                                                                                                                                                                                                                                                            | SPL-21 | WEI-21 |        |        |        |        |        |        |



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**QC CERTIFICATE TM20066547**

Project: Golden Perimeter  
 P.O. No.: GP20-05  
 This report is for 229 Drill Core samples submitted to our lab in Timmins, ON, Canada on 20-MAR-2020.  
 The following have access to data associated with this certificate:

|                              |              |              |
|------------------------------|--------------|--------------|
| IAN DUNLOP<br>CONOR MCKINLEY | DARWIN GREEN | NEAL MAGUIRE |
|------------------------------|--------------|--------------|

| SAMPLE PREPARATION |                                 |
|--------------------|---------------------------------|
| ALS CODE           | DESCRIPTION                     |
| WEI-21             | Received Sample Weight          |
| LOG-21             | Sample logging - ClientBarCode  |
| CRU-QC             | Crushing QC Test                |
| PUL-QC             | Pulverizing QC Test             |
| CRU-31             | Fine crushing - 70% <2mm        |
| SPL-21             | Split sample - riffle splitter  |
| PUL-31             | Pulverize up to 250g 85% <75 um |
| LOG-23             | Pulp Login - Rcvd with Barcode  |

| ANALYTICAL PROCEDURES |                               |            |
|-----------------------|-------------------------------|------------|
| ALS CODE              | DESCRIPTION                   | INSTRUMENT |
| ME-ICP61              | 33 element four acid ICP-AES  | ICP-AES    |
| Au-AA26               | Ore Grade Au 50g FA AA finish | AAS        |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:   
 Saa Traxler, General Manager, North Vancouver



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM20066547**

| Sample Description         | Method Analyte Units LOD | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|----------------------------|--------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                            |                          | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K %  |
|                            |                          | 0.01    | 0.5      | 0.01     | 5        | 10       |          |          |          |          |          |          |          |          |          |      |
| <b>STANDARDS</b>           |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| CDN-CM-34                  |                          |         | 3.4      | 6.74     | 108      | 520      | 1.1      | <2       | 2.21     | 1.1      | 43       | 255      | 5800     | 4.92     | 20       | 2.93 |
| CDN-CM-34                  |                          |         | 3.4      | 6.39     | 103      | 500      | 1.0      | 11       | 2.06     | 1.1      | 43       | 246      | 5700     | 4.59     | 20       | 2.71 |
| CDN-CM-34                  |                          |         | 3.2      | 6.38     | 103      | 460      | 1.0      | 6        | 2.05     | 1.4      | 40       | 237      | 5510     | 4.61     | 20       | 2.80 |
| CDN-CM-34                  |                          |         | 3.8      | 6.34     | 106      | 510      | 0.9      | 6        | 2.11     | 1.3      | 42       | 252      | 5680     | 4.69     | 20       | 2.75 |
| Target Range - Lower Bound |                          |         | 2.5      | 5.88     | 90       | 430      | <0.5     | <2       | 1.83     | <0.5     | 37       | 217      | 5370     | 4.26     | <10      | 2.51 |
| Upper Bound                |                          |         | 4.9      | 7.21     | 122      | 610      | 2.1      | 8        | 2.25     | 2.0      | 47       | 267      | 6190     | 5.23     | 40       | 3.09 |
| EMOG-17                    |                          |         | 67.4     | 4.67     | 613      | 200      | 1.8      | 11       | 1.96     | 20.2     | 761      | 57       | 8370     | 4.90     | 10       | 1.70 |
| EMOG-17                    |                          |         | 67.0     | 4.57     | 572      | 420      | 1.8      | 6        | 1.88     | 20.2     | 752      | 57       | 8230     | 4.75     | 10       | 1.62 |
| EMOG-17                    |                          |         | 66.8     | 4.67     | 592      | 190      | 1.8      | 8        | 1.95     | 19.9     | 756      | 58       | 8230     | 4.86     | 10       | 1.70 |
| EMOG-17                    |                          |         | 66.4     | 4.52     | 594      | 190      | 1.7      | 6        | 1.93     | 20.6     | 747      | 58       | 8250     | 4.79     | 10       | 1.64 |
| Target Range - Lower Bound |                          |         | 60.4     | 4.18     | 517      | 930      | 0.7      | <2       | 1.72     | 17.7     | 685      | 49       | 7740     | 4.42     | <10      | 1.49 |
| Upper Bound                |                          |         | 75.0     | 5.13     | 643      | 1290     | 2.9      | 10       | 2.12     | 22.7     | 839      | 62       | 8910     | 5.42     | 30       | 1.85 |
| G313-5                     |                          | 7.06    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 6.64    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 7.50    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G917-1                     |                          | 47.3    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 45.5    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 51.3    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| KIP-19                     |                          | 2.48    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 2.27    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 2.59    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| MRGeo08                    |                          |         | 4.0      | 7.23     | 33       | 1070     | 3.1      | <2       | 2.56     | 2.2      | 18       | 92       | 603      | 3.77     | 20       | 3.09 |
| MRGeo08                    |                          |         | 4.1      | 7.33     | 33       | 1100     | 3.2      | 3        | 2.67     | 2.3      | 18       | 95       | 640      | 3.90     | 20       | 3.20 |
| MRGeo08                    |                          |         | 4.5      | 7.39     | 37       | 1110     | 3.1      | <2       | 2.66     | 2.4      | 19       | 94       | 627      | 3.91     | 20       | 3.14 |
| Target Range - Lower Bound |                          |         | 3.2      | 6.64     | 21       | 920      | 2.2      | <2       | 2.35     | 1.1      | 17       | 81       | 586      | 3.55     | <10      | 2.79 |
| Upper Bound                |                          |         | 5.6      | 8.14     | 45       | 1270     | 4.5      | 5        | 2.90     | 3.4      | 23       | 102      | 676      | 4.37     | 40       | 3.43 |
| OREAS 602                  |                          |         | >100     | 4.17     | 664      | 300      | 0.7      | 60       | 0.62     | 24.7     | 10       | 32       | 5030     | 2.10     | 20       | 0.66 |
| OREAS 602                  |                          |         | >100     | 4.41     | 691      | 230      | 0.8      | 66       | 0.65     | 25.9     | 9        | 33       | 5160     | 2.18     | 20       | 0.69 |
| OREAS 602                  |                          |         | >100     | 4.36     | 696      | 320      | 0.7      | 63       | 0.66     | 26.6     | 9        | 34       | 5190     | 2.19     | 20       | 0.69 |
| Target Range - Lower Bound |                          |         | 107.5    | 3.92     | 579      | 590      | <0.5     | 49       | 0.55     | 21.7     | 7        | 28       | 4790     | 2.01     | <10      | 0.60 |
| Upper Bound                |                          |         | 100.0    | 4.82     | 719      | 830      | 1.8      | 65       | 0.69     | 27.7     | 12       | 36       | 5510     | 2.47     | 40       | 0.76 |
| OxP154                     |                          | 15.10   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| OxP154                     |                          | 15.25   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| OxP154                     |                          | 14.85   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 14.35   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 16.20   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| PMP-18                     |                          | 0.31    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |



ALS Canada Ltd.  
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**QC CERTIFICATE OF ANALYSIS TM20066547**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|----------------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                            |                          | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti %     | Tl ppm |
|                            |                          | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01     | 10     |
| <b>STANDARDS</b>           |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| CDN-CM-34                  |                          | 20       | 3.80     | 474      | 306      | 0.77     | 254      | 1270     | 20       | 3.18     | 11       | 17       | 233      | <20      | 0.52     | <10    |
| CDN-CM-34                  |                          | 10       | 3.55     | 440      | 287      | 0.71     | 242      | 1200     | 21       | 2.96     | 5        | 16       | 213      | <20      | 0.49     | <10    |
| CDN-CM-34                  |                          | 20       | 3.56     | 434      | 285      | 0.73     | 241      | 1200     | 19       | 3.01     | 5        | 16       | 228      | <20      | 0.50     | <10    |
| CDN-CM-34                  |                          | 20       | 3.62     | 443      | 286      | 0.73     | 250      | 1230     | 20       | 3.07     | <5       | 16       | 223      | <20      | 0.49     | <10    |
| Target Range - Lower Bound |                          | <10      | 3.29     | 399      | 269      | 0.66     | 220      | 1110     | 19       | 2.70     | <5       | 14       | 204      | <20      | 0.43     | <10    |
| Upper Bound                |                          | 40       | 4.05     | 499      | 331      | 0.83     | 271      | 1370     | 29       | 3.32     | 17       | 19       | 251      | 40       | 0.55     | 20     |
| EMOG-17                    |                          | 20       | 0.97     | 761      | 1085     | 1.12     | 7670     | 820      | 7390     | 3.33     | 806      | 8        | 213      | <20      | 0.33     | <10    |
| EMOG-17                    |                          | 20       | 0.93     | 735      | 1060     | 1.06     | 7550     | 800      | 7160     | 3.22     | 792      | 8        | 198      | <20      | 0.32     | <10    |
| EMOG-17                    |                          | 20       | 0.96     | 743      | 1080     | 1.11     | 7610     | 810      | 7300     | 3.33     | 811      | 8        | 214      | <20      | 0.32     | <10    |
| EMOG-17                    |                          | 20       | 0.95     | 742      | 1080     | 1.08     | 7610     | 810      | 7200     | 3.27     | 817      | 8        | 203      | <20      | 0.32     | <10    |
| Target Range - Lower Bound |                          | <10      | 0.86     | 670      | 996      | 0.99     | 6820     | 700      | 6570     | 2.91     | 638      | 6        | 184      | <20      | 0.28     | <10    |
| Upper Bound                |                          | 40       | 1.08     | 830      | 1220     | 1.23     | 8330     | 880      | 8030     | 3.57     | 874      | 10       | 227      | 50       | 0.36     | 20     |
| G313-5                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| G917-1                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| KIP-19                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| MRGeo08                    |                          | 30       | 1.28     | 539      | 14       | 1.92     | 668      | 1000     | 1040     | 0.30     | 8        | 11       | 298      | 20       | 0.48     | <10    |
| MRGeo08                    |                          | 30       | 1.32     | 568      | 14       | 1.99     | 696      | 1040     | 1080     | 0.31     | <5       | 11       | 310      | <20      | 0.51     | <10    |
| MRGeo08                    |                          | 30       | 1.33     | 554      | 14       | 1.97     | 715      | 1050     | 1080     | 0.31     | <5       | 11       | 313      | 20       | 0.50     | <10    |
| Target Range - Lower Bound |                          | <10      | 1.17     | 497      | 12       | 1.76     | 621      | 930      | 969      | 0.27     | <5       | 10       | 276      | <20      | 0.44     | <10    |
| Upper Bound                |                          | 60       | 1.45     | 619      | 18       | 2.18     | 761      | 1160     | 1190     | 0.35     | 15       | 15       | 340      | 60       | 0.56     | 20     |
| OREAS 602                  |                          | 10       | 0.18     | 229      | 4        | 0.44     | 57       | 540      | 1005     | 2.07     | 87       | 4        | 451      | <20      | 0.21     | <10    |
| OREAS 602                  |                          | 10       | 0.19     | 239      | 5        | 0.45     | 58       | 580      | 1045     | 2.15     | 79       | 4        | 464      | <20      | 0.22     | <10    |
| OREAS 602                  |                          | 10       | 0.20     | 239      | 5        | 0.45     | 64       | 590      | 1040     | 2.19     | 92       | 4        | 462      | <20      | 0.22     | <10    |
| Target Range - Lower Bound |                          | <10      | 0.17     | 198      | 2        | 0.40     | 53       | 500      | 918      | 1.90     | 61       | 2        | 417      | <20      | 0.18     | <10    |
| Upper Bound                |                          | 40       | 0.23     | 253      | 7        | 0.51     | 67       | 640      | 1125     | 2.34     | 97       | 6        | 511      | 50       | 0.24     | 20     |
| OxP154                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| OxP154                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| OxP154                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| PMP-18                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20066547**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 U ppm 10 | ME-ICP61 V ppm 1 | ME-ICP61 W ppm 10 | ME-ICP61 Zn ppm 2 |
|----------------------------|--------------------------|-------------------|------------------|-------------------|-------------------|
| <b>STANDARDS</b>           |                          |                   |                  |                   |                   |
| CDN-CM-34                  |                          | <10               | 172              | 30                | 210               |
| CDN-CM-34                  |                          | <10               | 162              | 20                | 189               |
| CDN-CM-34                  |                          | <10               | 162              | 30                | 198               |
| CDN-CM-34                  |                          | <10               | 162              | 30                | 194               |
| Target Range - Lower Bound |                          | <10               | 149              | <10               | 176               |
| Upper Bound                |                          | 20                | 184              | 50                | 219               |
| EMOG-17                    |                          | <10               | 74               | <10               | 7540              |
| EMOG-17                    |                          | <10               | 73               | <10               | 7300              |
| EMOG-17                    |                          | <10               | 74               | <10               | 7560              |
| EMOG-17                    |                          | <10               | 73               | 20                | 7330              |
| Target Range - Lower Bound |                          | <10               | 67               | <10               | 6800              |
| Upper Bound                |                          | 20                | 84               | 20                | 8320              |
| G313-5                     |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| G917-1                     |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| KIP-19                     |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| MRGeo08                    |                          | <10               | 107              | 10                | 784               |
| MRGeo08                    |                          | <10               | 110              | <10               | 819               |
| MRGeo08                    |                          | 10                | 107              | 10                | 819               |
| Target Range - Lower Bound |                          | <10               | 97               | <10               | 722               |
| Upper Bound                |                          | 30                | 121              | 30                | 886               |
| OREAS 602                  |                          | <10               | 32               | 10                | 4100              |
| OREAS 602                  |                          | <10               | 34               | 10                | 4220              |
| OREAS 602                  |                          | <10               | 34               | 20                | 4280              |
| Target Range - Lower Bound |                          | <10               | 29               | <10               | 3770              |
| Upper Bound                |                          | 20                | 37               | 30                | 4610              |
| OxP154                     |                          |                   |                  |                   |                   |
| OxP154                     |                          |                   |                  |                   |                   |
| OxP154                     |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| PMP-18                     |                          |                   |                  |                   |                   |



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20066547**

| Method Analyte Units LOD   | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |  |
|----------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| Sample Description         | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K %      |  |
|                            | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       | 0.01     |  |
| <b>STANDARDS</b>           |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| PMP-18                     | 0.31    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| PMP-18                     | 0.30    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | 0.28    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 0.34    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| <b>BLANKS</b>              |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| BLANK                      | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| BLANK                      | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| BLANK                      | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| BLANK                      | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| BLANK                      |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | 1        | <1       | <0.01    | <10      | <0.01    |  |
| BLANK                      |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | 1        | <1       | <0.01    | <10      | <0.01    |  |
| BLANK                      |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | <1       | <0.01    | <10      | <0.01    |  |
| BLANK                      |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | 1        | <1       | <0.01    | <10      | <0.01    |  |
| BLANK                      |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | 1        | <1       | <0.01    | <10      | <0.01    |  |
| BLANK                      |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | 1        | <1       | <0.01    | <10      | <0.01    |  |
| BLANK                      |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | 1        | <1       | <0.01    | <10      | <0.01    |  |
| Target Range - Lower Bound |         | <0.5     | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | <1       | <0.01    | <10      | <0.01    |  |
| Upper Bound                |         | 1.0      | 0.02     | 10       | 20       | 1.0      | 4        | 0.02     | 1.0      | 2        | 2        | 2        | 0.02     | 20       | 0.02     |  |
| <b>DUPLICATES</b>          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| ORIGINAL                   |         | 2.4      | 3.75     | 1310     | 270      | 1.1      | <2       | 0.01     | 7.6      | 3        | 14       | 6920     | 2.14     | 10       | 1.59     |  |
| DUP                        |         | 2.4      | 3.84     | 1330     | 270      | 1.1      | 5        | 0.02     | 7.6      | 3        | 16       | 7170     | 2.16     | 10       | 1.62     |  |
| Target Range - Lower Bound |         | 1.8      | 3.60     | 1250     | 240      | <0.5     | <2       | <0.01    | 6.7      | 2        | 13       | 6800     | 2.03     | <10      | 1.51     |  |
| Upper Bound                |         | 3.0      | 3.99     | 1390     | 300      | 1.7      | 4        | 0.02     | 8.5      | 4        | 17       | 7290     | 2.27     | 20       | 1.70     |  |
| B280085                    | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| DUP                        | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20066547**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 La ppm | ME-ICP61 Mg % | ME-ICP61 Mn ppm | ME-ICP61 Mo ppm | ME-ICP61 Na % | ME-ICP61 Ni ppm | ME-ICP61 P ppm | ME-ICP61 Pb ppm | ME-ICP61 S % | ME-ICP61 Sb ppm | ME-ICP61 Sc ppm | ME-ICP61 Sr ppm | ME-ICP61 Th ppm | ME-ICP61 Ti % | ME-ICP61 Tl ppm |
|----------------------------|--------------------------|-----------------|---------------|-----------------|-----------------|---------------|-----------------|----------------|-----------------|--------------|-----------------|-----------------|-----------------|-----------------|---------------|-----------------|
|                            |                          | 10              | 0.01          | 5               | 1               | 0.01          | 1               | 10             | 2               | 0.01         | 5               | 1               | 1               | 20              | 0.01          | 10              |
| <b>STANDARDS</b>           |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| PMP-18                     |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| PMP-18                     |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Target Range - Lower Bound |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Upper Bound                |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| <b>BLANKS</b>              |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| BLANK                      |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| BLANK                      |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| BLANK                      |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| BLANK                      |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Target Range - Lower Bound |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Upper Bound                |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| BLANK                      |                          | <10             | <0.01         | <5              | <1              | <0.01         | <1              | <10            | <2              | <0.01        | <5              | <1              | <1              | <20             | <0.01         | <10             |
| BLANK                      |                          | <10             | <0.01         | <5              | <1              | <0.01         | 1               | <10            | <2              | <0.01        | <5              | <1              | 1               | <20             | <0.01         | <10             |
| BLANK                      |                          | <10             | <0.01         | <5              | <1              | <0.01         | 1               | <10            | <2              | <0.01        | <5              | <1              | <1              | <20             | <0.01         | <10             |
| BLANK                      |                          | <10             | <0.01         | <5              | <1              | <0.01         | <1              | <10            | <2              | <0.01        | <5              | <1              | 1               | <20             | <0.01         | <10             |
| BLANK                      |                          | <10             | <0.01         | <5              | <1              | <0.01         | <1              | <10            | <2              | <0.01        | <5              | <1              | <1              | <20             | <0.01         | <10             |
| BLANK                      |                          | <10             | <0.01         | <5              | 1               | <0.01         | 2               | <10            | 3               | <0.01        | <5              | <1              | <1              | <20             | <0.01         | <10             |
| BLANK                      |                          | <10             | <0.01         | <5              | <1              | <0.01         | <1              | <10            | <2              | <0.01        | <5              | <1              | <1              | <20             | <0.01         | <10             |
| Target Range - Lower Bound |                          | <10             | <0.01         | <5              | <1              | <0.01         | <1              | <10            | <2              | <0.01        | <5              | <1              | <1              | <20             | <0.01         | <10             |
| Upper Bound                |                          | 20              | 0.02          | 10              | 2               | 0.02          | 2               | 20             | 4               | 0.02         | 10              | 2               | 2               | 40              | 0.02          | 20              |
| <b>DUPLICATES</b>          |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| ORIGINAL                   |                          | <10             | 0.04          | 70              | 76              | 0.07          | 3               | 170            | 321             | 3.29         | <5              | 2               | 80              | <20             | 0.03          | <10             |
| DUP                        |                          | <10             | 0.05          | 72              | 80              | 0.08          | 2               | 170            | 322             | 3.35         | <5              | 2               | 84              | <20             | 0.03          | <10             |
| Target Range - Lower Bound |                          | <10             | 0.03          | 62              | 73              | 0.06          | <1              | 150            | 303             | 3.14         | <5              | <1              | 77              | <20             | 0.02          | <10             |
| Upper Bound                |                          | 20              | 0.06          | 80              | 83              | 0.09          | 4               | 190            | 340             | 3.50         | 10              | 3               | 87              | 40              | 0.04          | 20              |
| B280085                    |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| DUP                        |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Target Range - Lower Bound |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| Upper Bound                |                          |                 |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20066547**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 U ppm | ME-ICP61 V ppm | ME-ICP61 W ppm | ME-ICP61 Zn ppm |
|----------------------------|--------------------------|----------------|----------------|----------------|-----------------|
|                            |                          | 10             | 1              | 10             | 2               |
| <b>STANDARDS</b>           |                          |                |                |                |                 |
| PMP-18                     |                          |                |                |                |                 |
| PMP-18                     |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| <b>BLANKS</b>              |                          |                |                |                |                 |
| BLANK                      |                          |                |                |                |                 |
| BLANK                      |                          |                |                |                |                 |
| BLANK                      |                          |                |                |                |                 |
| BLANK                      |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| BLANK                      |                          | <10            | <1             | <10            | <2              |
| BLANK                      |                          | <10            | <1             | <10            | <2              |
| BLANK                      |                          | <10            | <1             | <10            | <2              |
| BLANK                      |                          | <10            | <1             | <10            | <2              |
| BLANK                      |                          | <10            | <1             | <10            | <2              |
| BLANK                      |                          | <10            | <1             | <10            | <2              |
| BLANK                      |                          | <10            | <1             | <10            | <2              |
| BLANK                      |                          | <10            | <1             | <10            | <2              |
| Target Range - Lower Bound |                          | <10            | <1             | <10            | <2              |
| Upper Bound                |                          | 20             | 2              | 20             | 4               |
| <b>DUPLICATES</b>          |                          |                |                |                |                 |
| ORIGINAL                   |                          | <10            | 13             | <10            | 1700            |
| DUP                        |                          | <10            | 12             | 10             | 1725            |
| Target Range - Lower Bound |                          | <10            | 11             | <10            | 1625            |
| Upper Bound                |                          | 20             | 14             | 20             | 1800            |
| B280085                    |                          |                |                |                |                 |
| DUP                        |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20066547**

| Sample Description         | Method Analyte Units LOD | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|----------------------------|--------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                            |                          | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K %  |
|                            |                          | 0.01    | 0.5      | 0.01     | 5        | 10       |          |          |          |          |          |          |          |          |          |      |
| <b>DUPLICATES</b>          |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| B280105                    |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| B280108                    |                          |         | <0.5     | 7.65     | <5       | 2810     | 2.1      | <2       | 2.22     | <0.5     | 11       | 35       | 30       | 2.83     | 20       | 2.79 |
| DUP                        |                          |         | <0.5     | 7.67     | <5       | 2840     | 2.1      | <2       | 2.27     | <0.5     | 9        | 37       | 29       | 2.88     | 20       | 2.78 |
| Target Range - Lower Bound |                          |         | <0.5     | 7.27     | <5       | 2600     | 1.5      | <2       | 2.12     | <0.5     | 9        | 33       | 27       | 2.70     | <10      | 2.64 |
| Upper Bound                |                          |         | 1.0      | 8.05     | 10       | 3050     | 2.7      | 4        | 2.37     | 1.0      | 12       | 39       | 32       | 3.01     | 30       | 2.93 |
| B280146                    |                          |         | <0.5     | 7.30     | <5       | 2430     | 1.7      | 4        | 1.61     | <0.5     | 11       | 32       | 24       | 2.75     | 20       | 2.74 |
| DUP                        |                          |         | <0.5     | 7.23     | <5       | 2430     | 1.7      | 2        | 1.60     | <0.5     | 13       | 31       | 25       | 2.80     | 20       | 2.73 |
| Target Range - Lower Bound |                          |         | <0.5     | 6.89     | <5       | 2240     | 1.1      | <2       | 1.51     | <0.5     | 10       | 29       | 23       | 2.63     | <10      | 2.59 |
| Upper Bound                |                          |         | 1.0      | 7.64     | 10       | 2620     | 2.3      | 4        | 1.70     | 1.0      | 14       | 34       | 26       | 2.92     | 30       | 2.88 |
| B280148                    |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| B280168                    |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| B280184                    |                          |         | 0.7      | 6.76     | <5       | 2350     | 2.3      | 3        | 3.37     | <0.5     | 15       | 126      | 24       | 3.14     | 20       | 2.19 |
| DUP                        |                          |         | 0.5      | 7.01     | <5       | 2300     | 2.2      | 5        | 3.33     | <0.5     | 15       | 124      | 23       | 3.09     | 20       | 2.17 |
| Target Range - Lower Bound |                          |         | <0.5     | 6.53     | <5       | 2140     | 1.6      | <2       | 3.17     | <0.5     | 13       | 118      | 22       | 2.95     | <10      | 2.06 |
| Upper Bound                |                          |         | 1.0      | 7.24     | 10       | 2510     | 2.9      | 6        | 3.53     | 1.0      | 17       | 132      | 25       | 3.28     | 30       | 2.30 |
| B280203                    |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| B280222                    |                          |         | <0.5     | 7.53     | <5       | 2760     | 2.0      | <2       | 2.50     | <0.5     | 11       | 44       | 22       | 2.91     | 20       | 2.62 |
| DUP                        |                          |         | <0.5     | 7.35     | <5       | 2760     | 2.0      | <2       | 2.46     | <0.5     | 12       | 43       | 22       | 2.88     | 20       | 2.62 |
| Target Range - Lower Bound |                          |         | <0.5     | 7.06     | <5       | 2540     | 1.4      | <2       | 2.35     | <0.5     | 10       | 40       | 20       | 2.74     | <10      | 2.48 |
| Upper Bound                |                          |         | 1.0      | 7.82     | 10       | 2980     | 2.6      | 4        | 2.61     | 1.0      | 13       | 47       | 24       | 3.05     | 30       | 2.76 |



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 North Vancouver BC V7H 0A7  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20066547**

| Sample Description                                          | Method Analyte Units LOD | ME-ICP61 La ppm       | ME-ICP61 Mg %                | ME-ICP61 Mn ppm          | ME-ICP61 Mo ppm          | ME-ICP61 Na %                | ME-ICP61 Ni ppm      | ME-ICP61 P ppm               | ME-ICP61 Pb ppm      | ME-ICP61 S %                 | ME-ICP61 Sb ppm      | ME-ICP61 Sc ppm      | ME-ICP61 Sr ppm              | ME-ICP61 Th ppm         | ME-ICP61 Ti %                | ME-ICP61 Tl ppm         |
|-------------------------------------------------------------|--------------------------|-----------------------|------------------------------|--------------------------|--------------------------|------------------------------|----------------------|------------------------------|----------------------|------------------------------|----------------------|----------------------|------------------------------|-------------------------|------------------------------|-------------------------|
| <b>DUPLICATES</b>                                           |                          |                       |                              |                          |                          |                              |                      |                              |                      |                              |                      |                      |                              |                         |                              |                         |
| B280105<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | 10                    | 0.01                         | 5                        | 1                        | 0.01                         | 1                    | 10                           | 2                    | 0.01                         | 5                    | 1                    | 1                            | 20                      | 0.01                         | 10                      |
| B280108<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | 40<br>40<br>30<br>50  | 1.58<br>1.62<br>1.51<br>1.69 | 560<br>577<br>535<br>602 | 1<br>1<br><1<br>2        | 3.71<br>3.71<br>3.51<br>3.91 | 16<br>16<br>14<br>18 | 1150<br>1180<br>1100<br>1230 | 21<br>20<br>17<br>24 | 0.07<br>0.08<br>0.06<br>0.09 | <5<br><5<br><5<br>10 | 8<br>8<br>7<br>9     | 1405<br>1400<br>1330<br>1475 | <20<br><20<br><20<br>40 | 0.22<br>0.23<br>0.20<br>0.25 | <10<br><10<br><10<br>20 |
| B280146<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | 20<br>20<br><10<br>30 | 1.76<br>1.75<br>1.66<br>1.85 | 390<br>396<br>368<br>418 | 1<br>1<br><1<br>2        | 3.30<br>3.29<br>3.12<br>3.47 | 15<br>16<br>14<br>17 | 1130<br>1140<br>1070<br>1200 | 8<br>10<br>7<br>11   | 0.27<br>0.27<br>0.25<br>0.29 | <5<br><5<br><5<br>10 | 8<br>8<br>7<br>9     | 650<br>650<br>617<br>684     | <20<br><20<br><20<br>40 | 0.21<br>0.21<br>0.19<br>0.23 | <10<br><10<br><10<br>20 |
| B280148<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                       |                              |                          |                          |                              |                      |                              |                      |                              |                      |                      |                              |                         |                              |                         |
| B280168<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                       |                              |                          |                          |                              |                      |                              |                      |                              |                      |                      |                              |                         |                              |                         |
| B280184<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | 30<br>40<br>20<br>50  | 1.71<br>1.73<br>1.62<br>1.82 | 632<br>620<br>590<br>662 | 166<br>159<br>153<br>172 | 3.97<br>3.86<br>3.71<br>4.12 | 31<br>31<br>28<br>34 | 1360<br>1350<br>1280<br>1430 | 36<br>34<br>31<br>39 | 0.74<br>0.72<br>0.68<br>0.78 | <5<br><5<br><5<br>10 | 11<br>12<br>10<br>13 | 1590<br>1560<br>1495<br>1655 | <20<br><20<br><20<br>40 | 0.24<br>0.24<br>0.22<br>0.26 | <10<br><10<br><10<br>20 |
| B280203<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                       |                              |                          |                          |                              |                      |                              |                      |                              |                      |                      |                              |                         |                              |                         |
| B280222<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | 40<br>40<br>30<br>50  | 1.40<br>1.39<br>1.32<br>1.47 | 646<br>643<br>607<br>682 | <1<br>1<br><1<br>2       | 3.77<br>3.77<br>3.57<br>3.97 | 18<br>17<br>16<br>19 | 1120<br>1130<br>1060<br>1190 | 27<br>28<br>24<br>31 | 0.07<br>0.08<br>0.06<br>0.09 | <5<br><5<br><5<br>10 | 8<br>8<br>7<br>9     | 1320<br>1310<br>1250<br>1380 | <20<br><20<br><20<br>40 | 0.23<br>0.23<br>0.21<br>0.25 | <10<br><10<br><10<br>20 |



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|                                                 |
|-------------------------------------------------|
| <b>QC CERTIFICATE OF ANALYSIS    TM20066547</b> |
|-------------------------------------------------|

| Sample Description                                          | Method Analyte Units LOD | ME-ICP61 U ppm          | ME-ICP61 V ppm         | ME-ICP61 W ppm          | ME-ICP61 Zn ppm      |
|-------------------------------------------------------------|--------------------------|-------------------------|------------------------|-------------------------|----------------------|
|                                                             |                          | 10                      | 1                      | 10                      | 2                    |
| <b>DUPLICATES</b>                                           |                          |                         |                        |                         |                      |
| B280105<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                        |                         |                      |
| B280108<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | <10<br><10<br><10<br>20 | 77<br>79<br>73<br>83   | 10<br><10<br><10<br>20  | 63<br>64<br>58<br>69 |
| B280146<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | <10<br><10<br><10<br>20 | 70<br>70<br>66<br>75   | <10<br><10<br><10<br>20 | 60<br>60<br>55<br>65 |
| B280148<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                        |                         |                      |
| B280168<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                        |                         |                      |
| B280184<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | <10<br><10<br><10<br>20 | 100<br>97<br>93<br>104 | <10<br><10<br><10<br>20 | 73<br>72<br>67<br>78 |
| B280203<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                        |                         |                      |
| B280222<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | <10<br><10<br><10<br>20 | 80<br>80<br>75<br>85   | <10<br><10<br><10<br>20 | 66<br>66<br>61<br>71 |



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**QC CERTIFICATE OF ANALYSIS TM20066547**

| Sample Description         | Method Analyte Units LOD | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|----------------------------|--------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                            |                          | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K %  |
|                            |                          | 0.01    | 0.5      | 0.01     | 5        | 10       |          |          |          |          |          |          |          |          |          |      |
| <b>DUPLICATES</b>          |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| B280223<br>DUP             |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| B280243<br>DUP             |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| B280259<br>DUP             |                          |         | <0.5     | 7.75     | <5       | 2700     | 2.1      | <2       | 2.58     | <0.5     | 12       | 35       | 6        | 2.88     | 20       | 2.58 |
| Target Range - Lower Bound |                          |         | <0.5     | 7.64     | <5       | 2680     | 2.0      | <2       | 2.57     | <0.5     | 13       | 35       | 7        | 2.83     | 20       | 2.58 |
| Upper Bound                |                          |         | <0.5     | 7.30     | <5       | 2480     | 1.4      | <2       | 2.44     | <0.5     | 11       | 32       | 5        | 2.70     | <10      | 2.44 |
|                            |                          |         | 1.0      | 8.09     | 10       | 2900     | 2.7      | 4        | 2.71     | 1.0      | 14       | 38       | 8        | 3.01     | 30       | 2.72 |
| B280279<br>DUP             |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| B280297<br>DUP             |                          |         | 0.9      | 7.20     | <5       | 2050     | 2.2      | 6        | 2.28     | <0.5     | 13       | 57       | 36       | 2.98     | 20       | 1.61 |
| Target Range - Lower Bound |                          |         | 0.8      | 7.28     | <5       | 1940     | 2.3      | 4        | 2.33     | 0.5      | 13       | 57       | 38       | 3.05     | 20       | 1.63 |
| Upper Bound                |                          |         | <0.5     | 6.87     | <5       | 1840     | 1.6      | 3        | 2.18     | <0.5     | 11       | 53       | 35       | 2.85     | <10      | 1.53 |
|                            |                          |         | 1.0      | 7.61     | 10       | 2150     | 2.9      | 7        | 2.43     | 1.0      | 15       | 61       | 39       | 3.18     | 30       | 1.71 |
| B280299<br>DUP             |                          | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| ORIGINAL<br>DUP            |                          | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| ORIGINAL<br>DUP            |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |



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 North Vancouver BC V7H 0A7  
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**QC CERTIFICATE OF ANALYSIS TM20066547**

| Sample Description                                           | Method Analyte Units LOD | ME-ICP61             | ME-ICP61                     | ME-ICP61                 | ME-ICP61                | ME-ICP61                     | ME-ICP61             | ME-ICP61                     | ME-ICP61                | ME-ICP61                     | ME-ICP61             | ME-ICP61          | ME-ICP61                     | ME-ICP61                | ME-ICP61                     |                         |
|--------------------------------------------------------------|--------------------------|----------------------|------------------------------|--------------------------|-------------------------|------------------------------|----------------------|------------------------------|-------------------------|------------------------------|----------------------|-------------------|------------------------------|-------------------------|------------------------------|-------------------------|
|                                                              |                          | La ppm               | Mg %                         | Mn ppm                   | Mo ppm                  | Na %                         | Ni ppm               | P ppm                        | Pb ppm                  | S %                          | Sb ppm               | Sc ppm            | Sr ppm                       | Th ppm                  | Ti %                         | Tl ppm                  |
|                                                              |                          | 10                   | 0.01                         | 5                        | 1                       | 0.01                         | 1                    | 10                           | 2                       | 0.01                         | 5                    | 1                 | 1                            | 20                      | 0.01                         | 10                      |
| <b>DUPLICATES</b>                                            |                          |                      |                              |                          |                         |                              |                      |                              |                         |                              |                      |                   |                              |                         |                              |                         |
| B280223<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                      |                              |                          |                         |                              |                      |                              |                         |                              |                      |                   |                              |                         |                              |                         |
| B280243<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                      |                              |                          |                         |                              |                      |                              |                         |                              |                      |                   |                              |                         |                              |                         |
| B280259<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | 40<br>40<br>30<br>50 | 1.34<br>1.33<br>1.26<br>1.41 | 631<br>631<br>594<br>668 | <1<br><1<br><1<br>2     | 3.88<br>3.88<br>3.68<br>4.08 | 17<br>16<br>15<br>18 | 1180<br>1160<br>1100<br>1240 | 29<br>26<br>24<br>31    | 0.03<br>0.03<br>0.02<br>0.04 | <5<br><5<br><5<br>10 | 8<br>8<br>7<br>9  | 1550<br>1530<br>1460<br>1620 | 20<br>20<br><20<br>40   | 0.23<br>0.23<br>0.21<br>0.25 | <10<br><10<br><10<br>20 |
| B280279<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                      |                              |                          |                         |                              |                      |                              |                         |                              |                      |                   |                              |                         |                              |                         |
| B280297<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | 40<br>40<br>30<br>50 | 1.47<br>1.48<br>1.39<br>1.56 | 566<br>570<br>535<br>601 | 100<br>103<br>95<br>108 | 4.32<br>4.40<br>4.13<br>4.59 | 21<br>22<br>19<br>24 | 1230<br>1250<br>1170<br>1310 | 102<br>103<br>95<br>110 | 1.36<br>1.38<br>1.29<br>1.45 | <5<br><5<br><5<br>10 | 9<br>9<br>8<br>10 | 651<br>664<br>624<br>691     | <20<br><20<br><20<br>40 | 0.23<br>0.23<br>0.21<br>0.25 | <10<br><10<br><10<br>20 |
| B280299<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                      |                              |                          |                         |                              |                      |                              |                         |                              |                      |                   |                              |                         |                              |                         |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                      |                              |                          |                         |                              |                      |                              |                         |                              |                      |                   |                              |                         |                              |                         |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                      |                              |                          |                         |                              |                      |                              |                         |                              |                      |                   |                              |                         |                              |                         |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20066547**

| Sample Description                                           | Method Analyte Units LOD | ME-ICP61 U ppm 10       | ME-ICP61 V ppm 1     | ME-ICP61 W ppm 10       | ME-ICP61 Zn ppm 2    |
|--------------------------------------------------------------|--------------------------|-------------------------|----------------------|-------------------------|----------------------|
| B280223<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | DUPLICATES              |                      |                         |                      |
| B280243<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                         |                      |                         |                      |
| B280259<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | <10<br><10<br><10<br>20 | 77<br>76<br>72<br>81 | <10<br><10<br><10<br>20 | 64<br>64<br>59<br>69 |
| B280279<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                         |                      |                         |                      |
| B280297<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | <10<br><10<br><10<br>20 | 88<br>88<br>83<br>93 | <10<br><10<br><10<br>20 | 70<br>71<br>65<br>76 |
| B280299<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                         |                      |                         |                      |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                      |                         |                      |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                      |                         |                      |



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| Method Analyte Units LOD   | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |  |
|----------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| Sample Description         | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga       | K        |  |
|                            | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | %        |  |
|                            | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       | 0.01     |  |
| <b>DUPLICATES</b>          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| ORIGINAL                   | 0.04    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| DUP                        | 0.03    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Target Range - Lower Bound | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Upper Bound                | 0.05    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| <b>PREP DUPLICATES</b>     |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| B280144                    | <0.01   | <0.5     | 7.27     | <5       | 2270     | 1.9      | 5        | 1.27     | <0.5     | 11       | 32       | 40       | 2.53     | 20       | 2.59     |  |
| B280144 PREP DUP           | 0.01    | <0.5     | 7.31     | 5        | 2390     | 1.8      | 3        | 1.40     | <0.5     | 10       | 35       | 45       | 2.64     | 20       | 2.62     |  |
| B280214                    | <0.01   | <0.5     | 7.57     | <5       | 2690     | 2.0      | <2       | 2.50     | <0.5     | 12       | 36       | 9        | 2.87     | 20       | 2.65     |  |
| B280214 PREP DUP           | <0.01   | <0.5     | 7.56     | <5       | 2770     | 2.0      | <2       | 2.51     | <0.5     | 12       | 37       | 8        | 2.93     | 20       | 2.63     |  |
| B280281                    | <0.01   | <0.5     | 7.99     | <5       | 2820     | 2.0      | <2       | 2.62     | <0.5     | 12       | 37       | 31       | 3.01     | 20       | 2.80     |  |
| B280281 PREP DUP           | 0.01    | <0.5     | 7.53     | <5       | 2650     | 1.9      | <2       | 2.49     | <0.5     | 11       | 36       | 26       | 2.86     | 20       | 2.57     |  |

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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM20066547**

| Method Analyte Units LOD                                  | ME-ICP61 La ppm        | ME-ICP61 Mg % | ME-ICP61 Mn ppm | ME-ICP61 Mo ppm | ME-ICP61 Na % | ME-ICP61 Ni ppm | ME-ICP61 P ppm | ME-ICP61 Pb ppm | ME-ICP61 S % | ME-ICP61 Sb ppm | ME-ICP61 Sc ppm | ME-ICP61 Sr ppm | ME-ICP61 Th ppm | ME-ICP61 Ti % | ME-ICP61 Tl ppm |
|-----------------------------------------------------------|------------------------|---------------|-----------------|-----------------|---------------|-----------------|----------------|-----------------|--------------|-----------------|-----------------|-----------------|-----------------|---------------|-----------------|
| Sample Description                                        | 10                     | 0.01          | 5               | 1               | 0.01          | 1               | 10             | 2               | 0.01         | 5               | 1               | 1               | 20              | 0.01          | 10              |
| ORIGINAL DUP<br>Target Range - Lower Bound<br>Upper Bound | <b>DUPLICATES</b>      |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
| B280144<br>B280144 PREP DUP                               | <b>PREP DUPLICATES</b> |               |                 |                 |               |                 |                |                 |              |                 |                 |                 |                 |               |                 |
|                                                           | 40                     | 1.60          | 338             | 50              | 3.50          | 16              | 1100           | 13              | 0.32         | <5              | 7               | 630             | <20             | 0.21          | <10             |
|                                                           | 30                     | 1.64          | 355             | 46              | 3.67          | 19              | 1170           | 14              | 0.37         | <5              | 7               | 668             | <20             | 0.22          | <10             |
| B280214<br>B280214 PREP DUP                               | 40                     | 1.33          | 624             | <1              | 3.79          | 17              | 1190           | 23              | 0.02         | <5              | 8               | 1285            | <20             | 0.23          | <10             |
|                                                           | 40                     | 1.34          | 624             | <1              | 3.83          | 19              | 1180           | 25              | 0.02         | <5              | 8               | 1335            | <20             | 0.23          | <10             |
| B280281<br>B280281 PREP DUP                               | 40                     | 1.39          | 635             | 2               | 3.97          | 18              | 1240           | 21              | 0.26         | <5              | 9               | 1150            | <20             | 0.24          | <10             |
|                                                           | 40                     | 1.31          | 609             | <1              | 3.75          | 17              | 1200           | 21              | 0.23         | <5              | 8               | 1075            | <20             | 0.22          | <10             |

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|                                   |                   |
|-----------------------------------|-------------------|
| <b>QC CERTIFICATE OF ANALYSIS</b> | <b>TM20066547</b> |
|-----------------------------------|-------------------|

| Sample Description                                        | Method Analyte Units LOD | ME-ICP61 U ppm 10 | ME-ICP61 V ppm 1 | ME-ICP61 W ppm 10 | ME-ICP61 Zn ppm 2 |
|-----------------------------------------------------------|--------------------------|-------------------|------------------|-------------------|-------------------|
| ORIGINAL DUP<br>Target Range - Lower Bound<br>Upper Bound | <b>DUPLICATES</b>        |                   |                  |                   |                   |
| <b>PREP DUPLICATES</b>                                    |                          |                   |                  |                   |                   |
| B280144<br>B280144 PREP DUP                               |                          | <10<br><10        | 67<br>68         | <10<br><10        | 58<br>62          |
| B280214<br>B280214 PREP DUP                               |                          | <10<br><10        | 79<br>81         | <10<br><10        | 65<br>65          |
| B280281<br>B280281 PREP DUP                               |                          | <10<br><10        | 87<br>84         | <10<br><10        | 63<br>60          |
|                                                           |                          |                   |                  |                   |                   |



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**QC CERTIFICATE OF ANALYSIS TM20066547**

| <b>CERTIFICATE COMMENTS</b> |                                                                                                                                                                                                                                                                                                                                                                                           |        |        |        |        |        |        |        |        |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
|                             | <b>LABORATORY ADDRESSES</b>                                                                                                                                                                                                                                                                                                                                                               |        |        |        |        |        |        |        |        |
| Applies to Method:          | <p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.<br/>           Au-AA26 ME-ICP61</p>                                                                                                                                                                                                                                                             |        |        |        |        |        |        |        |        |
| Applies to Method:          | <p>Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-21</td> <td style="width: 17%;">LOG-23</td> </tr> <tr> <td>PUL-31</td> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> </tr> </table> | CRU-31 | CRU-QC | LOG-21 | LOG-23 | PUL-31 | PUL-QC | SPL-21 | WEI-21 |
| CRU-31                      | CRU-QC                                                                                                                                                                                                                                                                                                                                                                                    | LOG-21 | LOG-23 |        |        |        |        |        |        |
| PUL-31                      | PUL-QC                                                                                                                                                                                                                                                                                                                                                                                    | SPL-21 | WEI-21 |        |        |        |        |        |        |



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 2103 Dollarton Hwy  
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**CERTIFICATE TM20070171**

Project: Golden Perimeter

This report is for 5 Drill Core samples submitted to our lab in Timmins, ON, Canada on 25-MAR-2020.

The following have access to data associated with this certificate:

|                              |              |              |
|------------------------------|--------------|--------------|
| IAN DUNLOP<br>CONOR MCKINLEY | DARWIN GREEN | NEAL MAGUIRE |
|------------------------------|--------------|--------------|

| SAMPLE PREPARATION |                               |
|--------------------|-------------------------------|
| ALS CODE           | DESCRIPTION                   |
| FND-02             | Find Sample for Addn Analysis |

| ANALYTICAL PROCEDURES |                                 |            |
|-----------------------|---------------------------------|------------|
| ALS CODE              | DESCRIPTION                     | INSTRUMENT |
| ME-XRF26              | Whole Rock By Fusion/XRF        | XRF        |
| OA-GRA05x             | LOI for XRF                     | WST-SEQ    |
| ME-MS42               | Up to 34 elements by ICP-MS     | ICP-MS     |
| S-IR08                | Total Sulphur (IR Spectroscopy) | LECO       |
| C-IR07                | Total Carbon (IR Spectroscopy)  | LECO       |
| ME-MS81               | Lithium Borate Fusion ICP-MS    | ICP-MS     |
| ME-4ACD81             | Base Metals by 4-acid dig.      | ICP-AES    |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

**Signature:**   
 Saa Traxler, General Manager, North Vancouver



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**CERTIFICATE OF ANALYSIS TM20070171**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26              | ME-XRF26 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------------------|----------|
|                    |                                   | Al2O3    | BaO      | CaO      | Cr2O3    | Fe2O3    | K2O      | MgO      | MnO      | Na2O     | P2O5     | SiO2     | SrO      | TiO2     | OA-GRA05x<br>LOI 1000 | Total    |
|                    |                                   | %        | %        | %        | %        | %        | %        | %        | %        | %        | %        | %        | %        | %        | %                     | %        |
|                    | 0.01                              | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01                  | 0.01     |
| B280078            | 14.18                             | 0.29     | 3.74     | 0.01     | 4.81     | 3.82     | 3.20     | 0.09     | 4.07     | 0.30     | 59.22    | 0.09     | 0.43     | 4.97     | 99.78                 |          |
| B280128            | 15.94                             | 0.30     | 2.70     | 0.01     | 4.10     | 3.25     | 2.97     | 0.08     | 5.32     | 0.28     | 62.27    | 0.14     | 0.39     | 1.43     | 99.67                 |          |
| B280175            | 13.57                             | 0.20     | 5.11     | 0.03     | 5.84     | 3.99     | 5.25     | 0.12     | 4.05     | 0.38     | 58.88    | 0.09     | 0.53     | 1.39     | 99.61                 |          |
| B280224            | 15.77                             | 0.27     | 3.29     | 0.01     | 4.18     | 3.25     | 2.42     | 0.08     | 5.44     | 0.26     | 62.96    | 0.14     | 0.37     | 1.21     | 99.78                 |          |
| B280262            | 15.61                             | 0.29     | 3.55     | 0.01     | 4.31     | 3.13     | 2.45     | 0.08     | 5.25     | 0.27     | 63.00    | 0.17     | 0.38     | 1.03     | 99.78                 |          |

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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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**CERTIFICATE OF ANALYSIS TM20070171**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81          | ME-MS81          | ME-MS81         | ME-MS81           | ME-MS81           | ME-MS81           | ME-MS81           | ME-MS81          | ME-MS81           | ME-MS81        | ME-MS81          | ME-MS81           | ME-MS81          | ME-MS81           |                  |
|--------------------|-----------------------------------|------------------|------------------|-----------------|-------------------|-------------------|-------------------|-------------------|------------------|-------------------|----------------|------------------|-------------------|------------------|-------------------|------------------|
|                    |                                   | Ba<br>ppm<br>0.5 | Ce<br>ppm<br>0.1 | Cr<br>ppm<br>10 | Cs<br>ppm<br>0.01 | Dy<br>ppm<br>0.05 | Er<br>ppm<br>0.03 | Eu<br>ppm<br>0.02 | Ga<br>ppm<br>0.1 | Gd<br>ppm<br>0.05 | Ge<br>ppm<br>5 | Hf<br>ppm<br>0.1 | Ho<br>ppm<br>0.01 | La<br>ppm<br>0.1 | Lu<br>ppm<br>0.01 | Nb<br>ppm<br>0.1 |
| B280078            |                                   | 2640             | 101.5            | 120             | 0.89              | 2.71              | 1.27              | 1.87              | 17.6             | 4.64              | <5             | 4.0              | 0.47              | 50.9             | 0.17              | 5.2              |
| B280128            |                                   | 2760             | 101.5            | 40              | 0.53              | 2.71              | 1.07              | 1.80              | 18.8             | 4.40              | <5             | 3.9              | 0.41              | 50.8             | 0.15              | 5.1              |
| B280175            |                                   | 1830             | 103.5            | 260             | 0.41              | 3.45              | 1.45              | 2.08              | 17.6             | 6.01              | <5             | 4.0              | 0.58              | 49.7             | 0.17              | 5.4              |
| B280224            |                                   | 2440             | 103.0            | 40              | 0.42              | 2.27              | 1.20              | 1.80              | 18.5             | 4.29              | <5             | 3.9              | 0.40              | 52.1             | 0.14              | 4.7              |
| B280262            |                                   | 2670             | 106.0            | 40              | 0.53              | 2.47              | 1.28              | 1.68              | 18.3             | 4.42              | <5             | 3.9              | 0.41              | 54.6             | 0.15              | 5.1              |

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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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**CERTIFICATE OF ANALYSIS TM20070171**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81          | ME-MS81           | ME-MS81          | ME-MS81           | ME-MS81        | ME-MS81          | ME-MS81          | ME-MS81           | ME-MS81           | ME-MS81           | ME-MS81          | ME-MS81       | ME-MS81       | ME-MS81         |                   |
|--------------------|-----------------------------------|------------------|-------------------|------------------|-------------------|----------------|------------------|------------------|-------------------|-------------------|-------------------|------------------|---------------|---------------|-----------------|-------------------|
|                    |                                   | Nd<br>ppm<br>0.1 | Pr<br>ppm<br>0.02 | Rb<br>ppm<br>0.2 | Sm<br>ppm<br>0.03 | Sn<br>ppm<br>1 | Sr<br>ppm<br>0.1 | Ta<br>ppm<br>0.1 | Tb<br>ppm<br>0.01 | Th<br>ppm<br>0.05 | Tm<br>ppm<br>0.01 | U<br>ppm<br>0.05 | V<br>ppm<br>5 | W<br>ppm<br>1 | Y<br>ppm<br>0.1 | Yb<br>ppm<br>0.03 |
| B280078            |                                   | 48.6             | 11.90             | 85.1             | 8.30              | 1              | 752              | 0.1              | 0.54              | 10.00             | 0.16              | 3.21             | 90            | 3             | 13.2            | 1.21              |
| B280128            |                                   | 48.6             | 11.90             | 75.1             | 7.67              | 1              | 1195             | 0.1              | 0.51              | 9.92              | 0.17              | 1.87             | 82            | 1             | 11.5            | 1.04              |
| B280175            |                                   | 53.5             | 12.65             | 91.2             | 8.43              | 1              | 731              | 0.1              | 0.65              | 9.76              | 0.21              | 2.87             | 119           | 1             | 15.2            | 1.39              |
| B280224            |                                   | 47.2             | 12.10             | 69.3             | 7.27              | 1              | 1105             | 0.1              | 0.47              | 9.70              | 0.13              | 2.02             | 78            | 1             | 11.2            | 1.15              |
| B280262            |                                   | 50.0             | 12.45             | 62.8             | 7.64              | 1              | 1480             | 0.1              | 0.50              | 10.50             | 0.16              | 2.32             | 77            | 1             | 11.1            | 1.05              |



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**CERTIFICATE OF ANALYSIS TM20070171**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81        | ME-4ACD81        | ME-4ACD81        | ME-4ACD81      | ME-4ACD81      | ME-4ACD81       | ME-4ACD81      | ME-4ACD81      | ME-4ACD81      | ME-4ACD81      | ME-4ACD81      | ME-MS42          | ME-MS42           | ME-MS42            | ME-MS42            |
|--------------------|-----------------------------------|----------------|------------------|------------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|------------------|-------------------|--------------------|--------------------|
|                    |                                   | Zr<br>ppm<br>2 | Ag<br>ppm<br>0.5 | Cd<br>ppm<br>0.5 | Co<br>ppm<br>1 | Cu<br>ppm<br>1 | Li<br>ppm<br>10 | Mo<br>ppm<br>1 | Ni<br>ppm<br>1 | Pb<br>ppm<br>2 | Sc<br>ppm<br>1 | Zn<br>ppm<br>2 | As<br>ppm<br>0.1 | Bi<br>ppm<br>0.01 | Hg<br>ppm<br>0.005 | In<br>ppm<br>0.005 |
| B280078            |                                   | 150            | <0.5             | <0.5             | 15             | 110            | 20              | <1             | 28             | 23             | 11             | 76             | 3.6              | 0.12              | <0.005             | 0.018              |
| B280128            |                                   | 150            | <0.5             | <0.5             | 11             | 33             | 10              | <1             | 18             | 82             | 8              | 60             | 0.8              | 2.43              | <0.005             | 0.012              |
| B280175            |                                   | 146            | <0.5             | <0.5             | 24             | 6              | 10              | <1             | 55             | 16             | 17             | 79             | 0.6              | 0.04              | <0.005             | 0.007              |
| B280224            |                                   | 138            | <0.5             | <0.5             | 12             | 8              | 10              | <1             | 18             | 25             | 8              | 58             | 0.3              | 0.06              | <0.005             | 0.006              |
| B280262            |                                   | 144            | <0.5             | <0.5             | 13             | 27             | 10              | <1             | 17             | 28             | 8              | 61             | 0.3              | 0.06              | <0.005             | 0.009              |





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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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| <b>CERTIFICATE OF ANALYSIS</b> | <b>TM20070171</b> |
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| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS42<br>Re<br>ppm<br>0.001 | ME-MS42<br>Sb<br>ppm<br>0.05 | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02 | S-IR08<br>S<br>%<br>0.01 | C-IR07<br>C<br>%<br>0.01 |
|--------------------|-----------------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------|--------------------------|
| B280078            |                                   | <0.001                        | 0.19                         | 6.9                         | 0.5                         | <0.01                        | 0.08                         | 0.17                     | 1.19                     |
| B280128            |                                   | <0.001                        | <0.05                        | 2.5                         | 0.3                         | 0.03                         | 0.04                         | 0.16                     | 0.17                     |
| B280175            |                                   | <0.001                        | <0.05                        | 1.5                         | 0.2                         | <0.01                        | 0.02                         | 0.03                     | 0.19                     |
| B280224            |                                   | <0.001                        | <0.05                        | 1.1                         | <0.2                        | <0.01                        | 0.03                         | 0.02                     | 0.18                     |
| B280262            |                                   | <0.001                        | <0.05                        | 1.9                         | <0.2                        | <0.01                        | 0.04                         | 0.06                     | 0.18                     |
|                    |                                   |                               |                              |                             |                             |                              |                              |                          |                          |



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2103 Dollarton Hwy  
North Vancouver BC V7H 0A7  
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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To: **HIGHGOLD MINING**  
**800 WEST PENDER ST, 320**  
**VANCOUVER BC V6C 2V6**

Page: Appendix 1  
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Finalized Date: 12-APR-2020  
Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20070171**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
C-IR07 FND-02 ME-4ACD81  
ME-MS81 ME-XRF26 OA-GRA05x

ME-MS42  
S-IR08



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To: **HIGHGOLD MINING**  
**800 WEST PENDER ST, 320**  
**VANCOUVER BC V6C 2V6**

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**QC CERTIFICATE TM20070171**

Project: Golden Perimeter

This report is for 5 Drill Core samples submitted to our lab in Timmins, ON, Canada on 25-MAR-2020.

The following have access to data associated with this certificate:

|                |              |              |
|----------------|--------------|--------------|
| IAN DUNLOP     | DARWIN GREEN | NEAL MAGUIRE |
| CONOR MCKINLEY |              |              |

| SAMPLE PREPARATION |                               |
|--------------------|-------------------------------|
| ALS CODE           | DESCRIPTION                   |
| FND-02             | Find Sample for Addn Analysis |

| ANALYTICAL PROCEDURES |                                 |            |
|-----------------------|---------------------------------|------------|
| ALS CODE              | DESCRIPTION                     | INSTRUMENT |
| ME-XRF26              | Whole Rock By Fusion/XRF        | XRF        |
| OA-GRA05x             | LOI for XRF                     | WST-SEQ    |
| ME-MS42               | Up to 34 elements by ICP-MS     | ICP-MS     |
| S-IR08                | Total Sulphur (IR Spectroscopy) | LECO       |
| C-IR07                | Total Carbon (IR Spectroscopy)  | LECO       |
| ME-MS81               | Lithium Borate Fusion ICP-MS    | ICP-MS     |
| ME-4ACD81             | Base Metals by 4-acid dig.      | ICP-AES    |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:   
 Saa Traxler, General Manager, North Vancouver



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| Method Analyte Units LOD   | ME-XRF26 Al2O3 % | ME-XRF26 BaO % | ME-XRF26 CaO % | ME-XRF26 Cr2O3 % | ME-XRF26 Fe2O3 % | ME-XRF26 K2O % | ME-XRF26 MgO % | ME-XRF26 MnO % | ME-XRF26 Na2O % | ME-XRF26 P2O5 % | ME-XRF26 SiO2 % | ME-XRF26 SrO % | ME-XRF26 TiO2 % | OA-GRA05x LOI 1000 % | ME-XRF26 Total % |
|----------------------------|------------------|----------------|----------------|------------------|------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------------|------------------|
| Sample Description         | 0.01             | 0.01           | 0.01           | 0.01             | 0.01             | 0.01           | 0.01           | 0.01           | 0.01            | 0.01            | 0.01            | 0.01           | 0.01            | 0.01                 | 0.01             |
| <b>STANDARDS</b>           |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| AMIS0547                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 38.09            |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 36.19            |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 40.02            |
| DS-1                       |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| GS313-8                    |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| MGeo08                     |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 146                  |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 218                  | 13.35            | 0.02           | 10.10          | 0.03             | 12.12            | 0.22           | 7.17           | 0.19           | 2.93            | 0.10            | 48.90           | 0.02           | 1.12            |                      | 96.76            |
| Target Range - Lower Bound | 13.04            | <0.01          | 9.73           | <0.01            | 11.63            | 0.20           | 6.81           | 0.16           | 2.75            | 0.07            | 48.02           | <0.01          | 1.04            |                      | <0.01            |
| Upper Bound                | 13.96            | 0.04           | 10.45          | 0.05             | 12.47            | 0.26           | 7.39           | 0.22           | 3.05            | 0.13            | 50.38           | 0.03           | 1.20            |                      | 0.02             |
| OREAS 220                  | 13.48            | 0.02           | 9.63           | 0.04             | 11.35            | 0.46           | 7.16           | 0.17           | 2.75            | 0.18            | 49.79           | 0.03           | 1.28            |                      | 96.87            |
| Target Range - Lower Bound | 13.12            | <0.01          | 9.28           | 0.02             | 11.00            | 0.42           | 6.92           | 0.14           | 2.60            | 0.15            | 49.10           | <0.01          | 1.19            |                      | <0.01            |
| Upper Bound                | 14.04            | 0.05           | 10.00          | 0.06             | 11.80            | 0.51           | 7.50           | 0.20           | 2.90            | 0.21            | 51.50           | 0.05           | 1.37            |                      | 0.02             |
| OREAS 602                  |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 920                  |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS-45d                  |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS-45e                  |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 8.49                 |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 8.11                 |                  |
| SY-4                       |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 8.99                 |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20070171**

| Sample Description         | Method Analyte Units LOD | ME-MS81 Ba ppm | ME-MS81 Ce ppm | ME-MS81 Cr ppm | ME-MS81 Cs ppm | ME-MS81 Dy ppm | ME-MS81 Er ppm | ME-MS81 Eu ppm | ME-MS81 Ga ppm | ME-MS81 Gd ppm | ME-MS81 Ge ppm | ME-MS81 Hf ppm | ME-MS81 Ho ppm | ME-MS81 La ppm | ME-MS81 Lu ppm | ME-MS81 Nb ppm |
|----------------------------|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| <b>STANDARDS</b>           |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| AMIS0547                   |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| DS-1                       |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| GS313-8                    |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| MGeo08                     |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| OREAS 146                  |                          | >10000         | 4960           | 200            | 0.55           | 227            | 80.2           | 127.0          | 16.6           | 342            | <5             | 4.2            | 34.5           | 2620           | 5.90           | 389            |
| Target Range - Lower Bound |                          | 11450          | 4220           | 160            | 0.47           | 202            | 78.3           | 114.5          | 26.2           | 323            | <5             | 3.7            | 33.1           | 2260           | 5.66           | 349            |
| Upper Bound                |                          | >10000         | 5160           | 220            | 0.59           | 246            | 95.7           | 139.5          | 32.2           | 395            | 15             | 4.7            | 40.5           | 2760           | 6.94           | 427            |
| OREAS 218                  |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| OREAS 220                  |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| OREAS 602                  |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| OREAS 920                  |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| OREAS-45d                  |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| OREAS-45e                  |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| SY-4                       |                          | 339            | 122.5          | 10             | 1.37           | 19.80          | 15.45          | 1.84           | 37.5           | 14.55          | <5             | 11.2           | 4.22           | 57.5           | 2.12           | 13.1           |
| Target Range - Lower Bound |                          | 306            | 109.5          | <10            | 1.34           | 16.35          | 12.75          | 1.78           | 33.1           | 12.55          | <5             | 9.9            | 3.86           | 52.1           | 1.88           | 11.6           |
| Upper Bound                |                          | 375            | 134.5          | 30             | 1.66           | 20.1           | 15.65          | 2.22           | 40.7           | 15.45          | 12             | 12.3           | 4.74           | 63.9           | 2.32           | 14.4           |

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ALS Canada Ltd.  
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 North Vancouver BC V7H 0A7  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20070171**

| Sample Description         | Method<br>Analyte<br>Units<br>LOD | ME-MS81<br>Nd<br>ppm<br>0.1 | ME-MS81<br>Pr<br>ppm<br>0.02 | ME-MS81<br>Rb<br>ppm<br>0.2 | ME-MS81<br>Sm<br>ppm<br>0.03 | ME-MS81<br>Sn<br>ppm<br>1 | ME-MS81<br>Sr<br>ppm<br>0.1 | ME-MS81<br>Ta<br>ppm<br>0.1 | ME-MS81<br>Tb<br>ppm<br>0.01 | ME-MS81<br>Th<br>ppm<br>0.05 | ME-MS81<br>Tm<br>ppm<br>0.01 | ME-MS81<br>U<br>ppm<br>0.05 | ME-MS81<br>V<br>ppm<br>5 | ME-MS81<br>W<br>ppm<br>1 | ME-MS81<br>Y<br>ppm<br>0.1 | ME-MS81<br>Yb<br>ppm<br>0.03 |
|----------------------------|-----------------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|---------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|--------------------------|--------------------------|----------------------------|------------------------------|
| <b>STANDARDS</b>           |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| AMIS0547                   |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| DS-1                       |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| GS313-8                    |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| MGeo08                     |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| OREAS 146                  |                                   | 2330                        | 550                          | 26.6                        | 461                          | 46                        | 3360                        | 3.7                         | 43.0                         | 959                          | 9.41                         | 2.56                        | 160                      | 28                       | 885                        | 53.2                         |
| Target Range - Lower Bound |                                   | 1965                        | 493                          | 23.7                        | 397                          | 40                        | 2790                        | 3.6                         | 42.5                         | 813                          | 8.90                         | 2.37                        | 140                      | 25                       | 814                        | 48.1                         |
| Upper Bound                |                                   | 2400                        | 603                          | 29.5                        | 485                          | 52                        | 3410                        | 4.6                         | 51.9                         | 993                          | 10.90                        | 3.01                        | 182                      | 33                       | 996                        | 58.9                         |
| OREAS 218                  |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| OREAS 220                  |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| OREAS 602                  |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| OREAS 920                  |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| OREAS-45d                  |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| OREAS-45e                  |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                                   |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| SY-4                       |                                   | 61.1                        | 14.50                        | 54.3                        | 13.40                        | 8                         | 1210                        | 0.6                         | 2.54                         | 0.99                         | 2.28                         | 0.82                        | 8                        | 1                        | 112.0                      | 15.50                        |
| Target Range - Lower Bound |                                   | 51.2                        | 13.50                        | 49.3                        | 11.40                        | 6                         | 1070                        | 0.7                         | 2.33                         | 1.11                         | 2.06                         | 0.66                        | <5                       | <1                       | 107.0                      | 13.30                        |
| Upper Bound                |                                   | 62.8                        | 16.50                        | 60.7                        | 14.00                        | 10                        | 1310                        | 1.1                         | 2.87                         | 1.47                         | 2.54                         | 0.94                        | 18                       | 3                        | 131.0                      | 16.30                        |



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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20070171**

| Sample Description | Method Analyte Units LOD   | ME-MS81<br>Zr<br>ppm | ME-4ACD81<br>Ag<br>ppm | ME-4ACD81<br>Cd<br>ppm | ME-4ACD81<br>Co<br>ppm | ME-4ACD81<br>Cu<br>ppm | ME-4ACD81<br>Li<br>ppm | ME-4ACD81<br>Mo<br>ppm | ME-4ACD81<br>Ni<br>ppm | ME-4ACD81<br>Pb<br>ppm | ME-4ACD81<br>Sc<br>ppm | ME-4ACD81<br>Zn<br>ppm | ME-MS42<br>As<br>ppm | ME-MS42<br>Bi<br>ppm | ME-MS42<br>Hg<br>ppm | ME-MS42<br>In<br>ppm |
|--------------------|----------------------------|----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|
| <b>STANDARDS</b>   |                            |                      |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                      |                      |                      |                      |
| AMIS0547           | Target Range - Lower Bound |                      |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                      |                      |                      |                      |
|                    | Upper Bound                |                      |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                      |                      |                      |                      |
| DS-1               | Target Range - Lower Bound |                      |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                      |                      |                      |                      |
|                    | Upper Bound                |                      |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                      |                      |                      |                      |
| GS313-8            | Target Range - Lower Bound |                      |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                      |                      |                      |                      |
|                    | Upper Bound                |                      |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                      |                      |                      |                      |
| MRGeo08            | Target Range - Lower Bound |                      | 4.5                    | 2.2                    | 21                     | 627                    | 40                     | 14                     | 705                    | 1065                   | 10                     | 802                    |                      |                      |                      |                      |
|                    | Upper Bound                |                      | 3.2                    | 1.1                    | 17                     | 586                    | <10                    | 12                     | 621                    | 969                    | 10                     | 722                    |                      |                      |                      |                      |
| OREAS 146          | Target Range - Lower Bound | 244                  |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                      |                      |                      |                      |
|                    | Upper Bound                | 204                  |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                      |                      |                      |                      |
| OREAS 218          | Target Range - Lower Bound |                      |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                      |                      |                      |                      |
|                    | Upper Bound                |                      |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                      |                      |                      |                      |
| OREAS 220          | Target Range - Lower Bound |                      |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                      |                      |                      |                      |
|                    | Upper Bound                |                      |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                      |                      |                      |                      |
| OREAS 602          | Target Range - Lower Bound |                      | >100                   | 25.4                   | 10                     | 5070                   | 20                     | 4                      | 60                     | 1020                   | 4                      | 4090                   |                      |                      |                      |                      |
|                    | Upper Bound                |                      | 107.5                  | 21.7                   | 7                      | 4790                   | <10                    | 2                      | 53                     | 918                    | 2                      | 3770                   |                      |                      |                      |                      |
| OREAS 920          | Target Range - Lower Bound |                      |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        | 4.9                  | 0.57                 | 0.009                | 0.030                |
|                    | Upper Bound                |                      |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        | 4.2                  | 0.60                 | <0.005               | 0.019                |
| OREAS-45d          | Target Range - Lower Bound |                      |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        | 5.4                  | 0.76                 | 0.010                | 0.043                |
|                    | Upper Bound                |                      |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        | 7.1                  | 0.30                 | 0.043                | 0.078                |
| OREAS-45e          | Target Range - Lower Bound |                      |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        | 5.8                  | 0.26                 | 0.025                | 0.071                |
|                    | Upper Bound                |                      |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        | 7.3                  | 0.34                 | 0.053                | 0.099                |
| SY-4               | Target Range - Lower Bound | 570                  |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                      |                      |                      |                      |
|                    | Upper Bound                | 543                  |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                      |                      |                      |                      |
|                    | Upper Bound                | 668                  |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                      |                      |                      |                      |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Plus Appendix Pages  
 Finalized Date: 12-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20070171**

| Sample Description         | Method Analyte Units LOD | ME-MS42<br>Re<br>ppm<br>0.001 | ME-MS42<br>Sb<br>ppm<br>0.05 | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02 | S-IR08<br>S<br>%<br>0.01 | C-IR07<br>C<br>%<br>0.01 |
|----------------------------|--------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------|--------------------------|
| <b>STANDARDS</b>           |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| AMIS0547                   |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| DS-1                       |                          |                               |                              |                             |                             |                              | 2.65                         | 3.18                     |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              | 2.51                         | 3.01                     |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              | 2.71                         | 3.25                     |                          |
| GS313-8                    |                          |                               |                              |                             |                             |                              | 1.24                         | 0.95                     |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              | 1.19                         | 0.90                     |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              | 1.29                         | 0.98                     |                          |
| MGeo08                     |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 146                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 218                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 220                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 602                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 920                  |                          | <0.001                        | 0.58                         | 2.5                         | 0.4                         | 0.01                         | 0.16                         |                          |                          |
| Target Range - Lower Bound |                          | <0.001                        | 0.45                         | 2.5                         | <0.2                        | <0.01                        | 0.09                         |                          |                          |
| Upper Bound                |                          | 0.002                         | 0.77                         | 3.3                         | 0.6                         | 0.04                         | 0.20                         |                          |                          |
| OREAS-45d                  |                          | <0.001                        | 0.34                         | 45.1                        | 1.3                         | 0.04                         | 0.13                         |                          |                          |
| Target Range - Lower Bound |                          | <0.001                        | 0.22                         | 37.3                        | 0.7                         | 0.02                         | 0.07                         |                          |                          |
| Upper Bound                |                          | 0.003                         | 0.49                         | 45.8                        | 1.7                         | 0.06                         | 0.17                         |                          |                          |
| OREAS-45e                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| SY-4                       |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20070171**

| Method Analyte Units LOD   | ME-XRF26 Al2O3 % | ME-XRF26 BaO % | ME-XRF26 CaO % | ME-XRF26 Cr2O3 % | ME-XRF26 Fe2O3 % | ME-XRF26 K2O % | ME-XRF26 MgO % | ME-XRF26 MnO % | ME-XRF26 Na2O % | ME-XRF26 P2O5 % | ME-XRF26 SiO2 % | ME-XRF26 SrO % | ME-XRF26 TiO2 % | OA-GRA05x LOI 1000 % | ME-XRF26 Total % |
|----------------------------|------------------|----------------|----------------|------------------|------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------------|------------------|
| Sample Description         | 0.01             | 0.01           | 0.01           | 0.01             | 0.01             | 0.01           | 0.01           | 0.01           | 0.01            | 0.01            | 0.01            | 0.01           | 0.01            | 0.01                 | 0.01             |
| <b>BLANKS</b>              |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      | <0.01            | <0.01          | <0.01          | <0.01            | <0.01            | <0.01          | <0.01          | <0.01          | <0.01           | 0.01            | 99.17           | <0.01          | 0.01            |                      | 99.20            |
| Target Range - Lower Bound | <0.01            | <0.01          | <0.01          | <0.01            | <0.01            | <0.01          | <0.01          | <0.01          | <0.01           | <0.01           | <0.01           | <0.01          | <0.01           |                      | <0.01            |
| Upper Bound                | 0.02             | 0.02           | 0.02           | 0.02             | 0.02             | 0.02           | 0.02           | 0.02           | 0.02            | 0.02            | 0.02            | 0.02           | 0.02            |                      | 0.02             |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | -0.01                |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | <0.01                |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 | 0.02                 |                  |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| <b>DUPLICATES</b>          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| ORIGINAL                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| DUP                        |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| ORIGINAL                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| DUP                        |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| ORIGINAL                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| DUP                        |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20070171**

| Method Analyte Units LOD   | ME-MS81 Ba ppm | ME-MS81 Ce ppm | ME-MS81 Cr ppm | ME-MS81 Cs ppm | ME-MS81 Dy ppm | ME-MS81 Er ppm | ME-MS81 Eu ppm | ME-MS81 Ga ppm | ME-MS81 Gd ppm | ME-MS81 Ge ppm | ME-MS81 Hf ppm | ME-MS81 Ho ppm | ME-MS81 La ppm | ME-MS81 Lu ppm | ME-MS81 Nb ppm |
|----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Sample Description         | 0.5            | 0.1            | 10             | 0.01           | 0.05           | 0.03           | 0.02           | 0.1            | 0.05           | 5              | 0.1            | 0.01           | 0.1            | 0.01           | 0.1            |
| <b>BLANKS</b>              |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      | 0.6            | <0.1           | <10            | 0.01           | <0.05          | <0.03          | <0.02          | <0.1           | <0.05          | <5             | <0.1           | 0.01           | 0.1            | 0.01           | <0.1           |
| Target Range - Lower Bound | <0.5           | <0.1           | <10            | <0.01          | <0.05          | <0.03          | <0.02          | <0.1           | <0.05          |                | <0.1           | <0.01          | <0.1           | <0.01          | <0.1           |
| Upper Bound                | 1.0            | 0.2            | 20             | 0.02           | 0.10           | 0.06           | 0.04           | 0.2            | 0.10           |                | 0.2            | 0.02           | 0.2            | 0.02           | 0.2            |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| <b>DUPLICATES</b>          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| ORIGINAL                   |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| DUP                        |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| ORIGINAL                   |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| DUP                        |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| ORIGINAL                   |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| DUP                        |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20070171**

| Method Analyte Units LOD   | ME-MS81 Nd ppm 0.1 | ME-MS81 Pr ppm 0.02 | ME-MS81 Rb ppm 0.2 | ME-MS81 Sm ppm 0.03 | ME-MS81 Sn ppm 1 | ME-MS81 Sr ppm 0.1 | ME-MS81 Ta ppm 0.1 | ME-MS81 Tb ppm 0.01 | ME-MS81 Th ppm 0.05 | ME-MS81 Tm ppm 0.01 | ME-MS81 U ppm 0.05 | ME-MS81 V ppm 5 | ME-MS81 W ppm 1 | ME-MS81 Y ppm 0.1 | ME-MS81 Yb ppm 0.03 |
|----------------------------|--------------------|---------------------|--------------------|---------------------|------------------|--------------------|--------------------|---------------------|---------------------|---------------------|--------------------|-----------------|-----------------|-------------------|---------------------|
| <b>BLANKS</b>              |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| BLANK                      |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| BLANK                      |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| BLANK                      | 0.1                | <0.02               | <0.2               | <0.03               | <1               | 0.8                | <0.1               | 0.01                | <0.05               | <0.01               | <0.05              | <5              | 1               | <0.1              | <0.03               |
| Target Range - Lower Bound | <0.1               | <0.02               | <0.2               | <0.03               | <1               | <0.1               | <0.1               | <0.01               | <0.05               | <0.01               | <0.05              | <5              | <1              | <0.1              | <0.03               |
| Upper Bound                | 0.2                | 0.04                | 0.4                | 0.06                | 2                | 0.2                | 0.2                | 0.02                | 0.10                | 0.02                | 0.10               | 10              | 2               | 0.2               | 0.06                |
| BLANK                      |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| BLANK                      |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| BLANK                      |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| <b>DUPLICATES</b>          |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| ORIGINAL                   |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| DUP                        |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| ORIGINAL                   |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| DUP                        |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| ORIGINAL                   |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| DUP                        |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20070171**

| Sample Description         | Method Analyte Units LOD | ME-MS81<br>Zr<br>ppm<br>2 | ME-4ACD81<br>Ag<br>ppm<br>0.5 | ME-4ACD81<br>Cd<br>ppm<br>0.5 | ME-4ACD81<br>Co<br>ppm<br>1 | ME-4ACD81<br>Cu<br>ppm<br>1 | ME-4ACD81<br>Li<br>ppm<br>10 | ME-4ACD81<br>Mo<br>ppm<br>1 | ME-4ACD81<br>Ni<br>ppm<br>1 | ME-4ACD81<br>Pb<br>ppm<br>2 | ME-4ACD81<br>Sc<br>ppm<br>1 | ME-4ACD81<br>Zn<br>ppm<br>2 | ME-MS42<br>As<br>ppm<br>0.1 | ME-MS42<br>Bi<br>ppm<br>0.01 | ME-MS42<br>Hg<br>ppm<br>0.005 | ME-MS42<br>In<br>ppm<br>0.005 |
|----------------------------|--------------------------|---------------------------|-------------------------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|
| <b>BLANKS</b>              |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| BLANK                      |                          | <0.5                      | <0.5                          | <1                            | 1                           | <10                         | 1                            | <1                          | <2                          | <1                          | <2                          |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          | <0.5                      | <0.5                          | <1                            | <1                          |                             | <1                           | <1                          | <2                          |                             | <2                          |                             |                             |                              |                               |                               |
| Upper Bound                |                          | 1.0                       | 1.0                           | 2                             | 2                           |                             | 2                            | 2                           | 4                           |                             | 4                           |                             |                             |                              |                               |                               |
| BLANK                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 0.1                         | <0.01                        | <0.005                        | <0.005                        |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | <0.1                        | <0.01                        | <0.005                        | <0.005                        |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 0.2                         | 0.02                         | 0.010                         | 0.010                         |
| BLANK                      |                          | <2                        |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          | <2                        |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          | 4                         |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| BLANK                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| BLANK                      |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| <b>DUPLICATES</b>          |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| ORIGINAL                   |                          | <0.5                      | <0.5                          | 6                             | 4                           | 10                          | 1                            | 16                          | 23                          | 3                           | 17                          |                             |                             |                              |                               |                               |
| DUP                        |                          | <0.5                      | <0.5                          | 7                             | 4                           | 10                          | 1                            | 16                          | 21                          | 3                           | 16                          |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          | <0.5                      | <0.5                          | 5                             | 3                           | <10                         | <1                           | 14                          | 19                          | 2                           | 14                          |                             |                             |                              |                               |                               |
| Upper Bound                |                          | 1.0                       | 1.0                           | 8                             | 5                           | 20                          | 2                            | 18                          | 25                          | 4                           | 19                          |                             |                             |                              |                               |                               |
| ORIGINAL                   |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 0.5                         | 0.03                         | <0.005                        | 0.024                         |
| DUP                        |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 0.4                         | 0.03                         | <0.005                        | 0.024                         |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 0.3                         | 0.02                         | <0.005                        | 0.018                         |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 0.6                         | 0.04                         | 0.010                         | 0.030                         |
| ORIGINAL                   |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| DUP                        |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Target Range - Lower Bound |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| Upper Bound                |                          |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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**VANCOUVER BC V6C 2V6**

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**QC CERTIFICATE OF ANALYSIS TM20070171**

| Sample Description         | Method<br>Analyte<br>Units<br>LOD | ME-MS42            | ME-MS42           | ME-MS42          | ME-MS42          | ME-MS42           | ME-MS42           | S-IR08         | C-IR07         |
|----------------------------|-----------------------------------|--------------------|-------------------|------------------|------------------|-------------------|-------------------|----------------|----------------|
|                            |                                   | Re<br>ppm<br>0.001 | Sb<br>ppm<br>0.05 | Sc<br>ppm<br>0.1 | Se<br>ppm<br>0.2 | Te<br>ppm<br>0.01 | Tl<br>ppm<br>0.02 | S<br>%<br>0.01 | C<br>%<br>0.01 |
| <b>BLANKS</b>              |                                   |                    |                   |                  |                  |                   |                   |                |                |
| BLANK                      |                                   |                    |                   |                  |                  |                   |                   |                |                |
| Target Range - Lower Bound |                                   |                    |                   |                  |                  |                   |                   |                |                |
| Upper Bound                |                                   |                    |                   |                  |                  |                   |                   |                |                |
| BLANK                      |                                   | <0.001             | <0.05             | <0.1             | <0.2             | <0.01             | <0.02             |                |                |
| Target Range - Lower Bound |                                   | <0.001             | <0.05             | <0.1             | <0.2             | <0.01             | <0.02             |                |                |
| Upper Bound                |                                   | 0.002              | 0.10              | 0.2              | 0.4              | 0.02              | 0.04              |                |                |
| BLANK                      |                                   |                    |                   |                  |                  |                   |                   |                |                |
| Target Range - Lower Bound |                                   |                    |                   |                  |                  |                   |                   |                |                |
| Upper Bound                |                                   |                    |                   |                  |                  |                   |                   |                |                |
| BLANK                      |                                   |                    |                   |                  |                  |                   |                   |                |                |
| Target Range - Lower Bound |                                   |                    |                   |                  |                  |                   |                   |                |                |
| Upper Bound                |                                   |                    |                   |                  |                  |                   |                   |                |                |
| BLANK                      |                                   |                    |                   |                  |                  |                   |                   | <0.01          | 0.01           |
| Target Range - Lower Bound |                                   |                    |                   |                  |                  |                   |                   | <0.01          | <0.01          |
| Upper Bound                |                                   |                    |                   |                  |                  |                   |                   | 0.02           | 0.02           |
| <b>DUPLICATES</b>          |                                   |                    |                   |                  |                  |                   |                   |                |                |
| ORIGINAL                   |                                   |                    |                   |                  |                  |                   |                   |                |                |
| DUP                        |                                   |                    |                   |                  |                  |                   |                   |                |                |
| Target Range - Lower Bound |                                   | 0.001              | <0.05             | 8.5              | 0.3              | <0.01             | 0.11              |                |                |
| Upper Bound                |                                   | 0.001              | <0.05             | 9.1              | 0.2              | <0.01             | 0.12              |                |                |
| ORIGINAL                   |                                   | <0.001             | <0.05             | 8.3              | <0.2             | <0.01             | 0.09              |                |                |
| Upper Bound                |                                   | 0.002              | 0.10              | 9.3              | 0.4              | 0.02              | 0.14              |                |                |
| ORIGINAL                   |                                   |                    |                   |                  |                  |                   |                   | 0.15           | 3.38           |
| DUP                        |                                   |                    |                   |                  |                  |                   |                   | 0.15           | 3.40           |
| Target Range - Lower Bound |                                   |                    |                   |                  |                  |                   |                   | 0.14           | 3.30           |
| Upper Bound                |                                   |                    |                   |                  |                  |                   |                   | 0.16           | 3.48           |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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**QC CERTIFICATE OF ANALYSIS TM20070171**

| Sample Description         | Method Analyte Units LOD | ME-XRF26 Al2O3 % | ME-XRF26 BaO % | ME-XRF26 CaO % | ME-XRF26 Cr2O3 % | ME-XRF26 Fe2O3 % | ME-XRF26 K2O % | ME-XRF26 MgO % | ME-XRF26 MnO % | ME-XRF26 Na2O % | ME-XRF26 P2O5 % | ME-XRF26 SiO2 % | ME-XRF26 SrO % | ME-XRF26 TiO2 % | OA-GRA05x LOI 1000 % | ME-XRF26 Total % |
|----------------------------|--------------------------|------------------|----------------|----------------|------------------|------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------------|------------------|
|                            |                          | 0.01             | 0.01           | 0.01           | 0.01             | 0.01             | 0.01           | 0.01           | 0.01           | 0.01            | 0.01            | 0.01            | 0.01           | 0.01            | 0.01                 | 0.01             |
| <b>DUPLICATES</b>          |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| B280078                    |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 4.97             |
| DUP                        |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 5.04             |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 4.87             |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 5.14             |
| B280128                    |                          | 15.94            | 0.30           | 2.70           | 0.01             | 4.10             | 3.25           | 2.97           | 0.08           | 5.32            | 0.28            | 62.27           | 0.14           | 0.39            |                      | 99.67            |
| DUP                        |                          | 15.92            | 0.30           | 2.70           | 0.01             | 4.11             | 3.25           | 2.95           | 0.08           | 5.27            | 0.27            | 62.07           | 0.14           | 0.39            |                      | 99.42            |
| Target Range - Lower Bound |                          | 15.68            | 0.28           | 2.65           | <0.01            | 4.03             | 3.16           | 2.91           | 0.07           | 5.15            | 0.26            | 61.23           | 0.12           | 0.37            |                      | 98.54            |
| Upper Bound                |                          | 16.18            | 0.32           | 2.75           | 0.02             | 4.18             | 3.34           | 3.01           | 0.09           | 5.44            | 0.29            | 63.11           | 0.16           | 0.41            |                      | 100.55           |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20070171**

| Sample Description         | Method | Analyte | Units | LOD | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |      |      |     |     |
|----------------------------|--------|---------|-------|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|------|-----|-----|
|                            |        |         |       |     | Ba      | Ce      | Cr      | Cs      | Dy      | Er      | Eu      | Ga      | Gd      | Ge      | Hf      | Ho      | La   | Lu   | Nb  |     |
|                            |        |         |       |     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm  | ppm  | ppm | ppm |
|                            |        |         |       |     | 0.5     | 0.1     | 10      | 0.01    | 0.05    | 0.03    | 0.02    | 0.1     | 0.05    | 5       | 0.1     | 0.01    | 0.1  | 0.01 | 0.1 | 0.1 |
| <b>DUPLICATES</b>          |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |      |      |     |     |
| B280078                    |        |         |       |     | 2640    | 101.5   | 120     | 0.89    | 2.71    | 1.27    | 1.87    | 17.6    | 4.64    | <5      | 4.0     | 0.47    | 50.9 | 0.17 | 5.2 |     |
| DUP                        |        |         |       |     | 2680    | 105.0   | 120     | 0.80    | 2.94    | 1.32    | 1.89    | 17.6    | 5.09    | <5      | 3.8     | 0.48    | 52.1 | 0.17 | 5.1 |     |
| Target Range - Lower Bound |        |         |       |     | 2530    | 98.0    | 100     | 0.79    | 2.63    | 1.20    | 1.77    | 16.6    | 4.57    | <5      | 3.6     | 0.44    | 48.8 | 0.15 | 4.8 |     |
| Upper Bound                |        |         |       |     | 2790    | 108.5   | 140     | 0.90    | 3.02    | 1.39    | 1.99    | 18.6    | 5.16    | 10      | 4.2     | 0.51    | 54.2 | 0.19 | 5.5 |     |
| B280128                    |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |      |      |     |     |
| DUP                        |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |      |      |     |     |
| Target Range - Lower Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |      |      |     |     |
| Upper Bound                |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |         |      |      |     |     |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20070171**

| Sample Description         | Method  | MS81 | MS81  | MS81 | MS81 | MS81 | MS81 | MS81 | MS81 | MS81  | MS81 | MS81 | MS81 | MS81 | MS81 |      |
|----------------------------|---------|------|-------|------|------|------|------|------|------|-------|------|------|------|------|------|------|
|                            | Analyte | Nd   | Pr    | Rb   | Sm   | Sn   | Sr   | Ta   | Tb   | Th    | Tm   | U    | V    | W    | Y    | Yb   |
|                            | Units   | ppm  | ppm   | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  |
|                            | LOD     | 0.1  | 0.02  | 0.2  | 0.03 | 1    | 0.1  | 0.1  | 0.01 | 0.05  | 0.01 | 0.05 | 5    | 1    | 0.1  | 0.03 |
| <b>DUPLICATES</b>          |         |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |
| B280078                    |         | 48.6 | 11.90 | 85.1 | 8.30 | 1    | 752  | 0.1  | 0.54 | 10.00 | 0.16 | 3.21 | 90   | 3    | 13.2 | 1.21 |
| DUP                        |         | 49.0 | 12.15 | 84.6 | 8.35 | 1    | 760  | 0.2  | 0.59 | 10.15 | 0.16 | 3.29 | 88   | 3    | 13.1 | 1.09 |
| Target Range - Lower Bound |         | 46.3 | 11.40 | 80.4 | 7.88 | <1   | 718  | <0.1 | 0.53 | 9.52  | 0.14 | 3.04 | 80   | 2    | 12.4 | 1.06 |
| Upper Bound                |         | 51.3 | 12.65 | 89.3 | 8.77 | 2    | 794  | 0.2  | 0.60 | 10.65 | 0.18 | 3.46 | 98   | 4    | 13.9 | 1.24 |
| B280128                    |         |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |
| DUP                        |         |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |
| Target Range - Lower Bound |         |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |
| Upper Bound                |         |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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**QC CERTIFICATE OF ANALYSIS TM20070171**

| Sample Description         | Method  | MS81 | 4ACD81 | 4ACD81 | 4ACD81 | 4ACD81 | 4ACD81 | 4ACD81 | 4ACD81 | 4ACD81 | 4ACD81 | MS42 | MS42 | MS42 | MS42  |       |
|----------------------------|---------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|-------|-------|
|                            | Analyte | Zr   | Ag     | Cd     | Co     | Cu     | Li     | Mo     | Ni     | Pb     | Sc     | Zn   | As   | Bi   | Hg    | In    |
|                            | Units   | ppm  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm  | ppm  | ppm  | ppm   | ppm   |
|                            | LOD     | 2    | 0.5    | 0.5    | 1      | 1      | 10     | 1      | 1      | 2      | 1      | 2    | 0.1  | 0.01 | 0.005 | 0.005 |
| <b>DUPLICATES</b>          |         |      |        |        |        |        |        |        |        |        |        |      |      |      |       |       |
| B280078                    |         | 150  |        |        |        |        |        |        |        |        |        |      |      |      |       |       |
| DUP                        |         | 145  |        |        |        |        |        |        |        |        |        |      |      |      |       |       |
| Target Range - Lower Bound |         | 138  |        |        |        |        |        |        |        |        |        |      |      |      |       |       |
| Upper Bound                |         | 157  |        |        |        |        |        |        |        |        |        |      |      |      |       |       |
| B280128                    |         |      |        |        |        |        |        |        |        |        |        |      |      |      |       |       |
| DUP                        |         |      |        |        |        |        |        |        |        |        |        |      |      |      |       |       |
| Target Range - Lower Bound |         |      |        |        |        |        |        |        |        |        |        |      |      |      |       |       |
| Upper Bound                |         |      |        |        |        |        |        |        |        |        |        |      |      |      |       |       |

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To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Plus Appendix Pages  
 Finalized Date: 12-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

|                                   |                   |
|-----------------------------------|-------------------|
| <b>QC CERTIFICATE OF ANALYSIS</b> | <b>TM20070171</b> |
|-----------------------------------|-------------------|

| Sample Description                                          | Method Analyte Units LOD | ME-MS42<br>Re<br>ppm<br>0.001 | ME-MS42<br>Sb<br>ppm<br>0.05 | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02 | S-IR08<br>S<br>%<br>0.01 | C-IR07<br>C<br>%<br>0.01 |
|-------------------------------------------------------------|--------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------|--------------------------|
| B280078<br>DUP<br>Target Range - Lower Bound<br>Upper Bound | <b>DUPLICATES</b>        |                               |                              |                             |                             |                              |                              |                          |                          |
| B280128<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
|                                                             |                          |                               |                              |                             |                             |                              |                              |                          |                          |



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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20070171**

### CERTIFICATE COMMENTS

#### LABORATORY ADDRESSES

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
C-IR07 FND-02 ME-4ACD81  
ME-MS81 ME-XRF26 OA-GRA05x

ME-MS42  
S-IR08



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Finalized Date: 15-APR-2020  
Account: GOLHIGH

**CERTIFICATE TM20066548**

Project: Golden Perimeter  
P.O. No.: GP20-05  
This report is for 237 Drill Core samples submitted to our lab in Timmins, ON,  
Canada on 20-MAR-2020.

The following have access to data associated with this certificate:

IAN DUNLOP  
CONOR MCKINLEY

DARWIN GREEN

NEAL MAGUIRE

**SAMPLE PREPARATION**

| ALS CODE | DESCRIPTION                     |
|----------|---------------------------------|
| WEI-21   | Received Sample Weight          |
| LOG-21   | Sample logging - ClientBarCode  |
| CRU-QC   | Crushing QC Test                |
| PUL-QC   | Pulverizing QC Test             |
| CRU-31   | Fine crushing - 70% <2mm        |
| SPL-21   | Split sample - riffle splitter  |
| PUL-31   | Pulverize up to 250g 85% <75 um |
| LOG-23   | Pulp Login - Rcvd with Barcode  |

**ANALYTICAL PROCEDURES**

| ALS CODE | DESCRIPTION                   | INSTRUMENT |
|----------|-------------------------------|------------|
| ME-ICP61 | 33 element four acid ICP-AES  | ICP-AES    |
| Au-AA26  | Ore Grade Au 50g FA AA finish | AAS        |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:

Saa Traxler, General Manager, North Vancouver



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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20066548**

| Sample Description | Method Analyte Units LOD | WEI-21       | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|--------------------------|--------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    |                          | Recvd Wt. kg | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   |
|                    |                          | 0.02         | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 0.01     | 10       |          |
| B280301            |                          | 0.57         | <0.01   | <0.5     | 7.43     | <5       | 2250     | 2.3      | <2       | 2.58     | <0.5     | 14       | 55       | 72       | 3.14     | 20       |
| B280302            |                          | 2.05         | <0.01   | <0.5     | 7.80     | <5       | 2580     | 2.2      | 2        | 2.82     | <0.5     | 13       | 55       | 20       | 3.12     | 20       |
| B280303            |                          | 1.47         | <0.01   | <0.5     | 8.02     | <5       | 2510     | 2.2      | <2       | 2.81     | <0.5     | 14       | 63       | 13       | 3.36     | 20       |
| B280304            |                          | 1.08         | <0.01   | <0.5     | 8.44     | <5       | 2500     | 2.4      | 3        | 2.95     | <0.5     | 15       | 61       | 37       | 3.42     | 20       |
| B280305            |                          | 2.26         | <0.01   | <0.5     | 7.83     | <5       | 2650     | 2.1      | 2        | 2.90     | <0.5     | 14       | 53       | 43       | 3.12     | 20       |
| B280306            |                          | 1.51         | <0.01   | <0.5     | 8.09     | <5       | 2630     | 2.4      | 2        | 2.83     | <0.5     | 15       | 56       | 15       | 3.36     | 20       |
| B280307            |                          | 1.72         | <0.01   | <0.5     | 7.97     | <5       | 2670     | 2.3      | 2        | 2.81     | <0.5     | 14       | 56       | 22       | 3.24     | 20       |
| B280308            |                          | 1.39         | <0.01   | <0.5     | 7.90     | <5       | 2460     | 2.4      | 2        | 2.80     | <0.5     | 15       | 59       | 20       | 3.29     | 20       |
| B280309            |                          | 2.21         | <0.01   | <0.5     | 7.56     | <5       | 2500     | 2.2      | <2       | 2.90     | <0.5     | 14       | 61       | 7        | 3.17     | 20       |
| B280310            |                          | 0.77         | <0.01   | <0.5     | 0.13     | <5       | 10       | <0.5     | <2       | 0.01     | <0.5     | <1       | 15       | 1        | 0.27     | <10      |
| B280311            |                          | 3.13         | <0.01   | <0.5     | 7.67     | <5       | 2450     | 2.3      | <2       | 2.97     | <0.5     | 15       | 69       | 12       | 3.24     | 20       |
| B280312            |                          | 0.96         | <0.01   | <0.5     | 8.22     | <5       | 2720     | 2.4      | <2       | 3.13     | <0.5     | 14       | 50       | 13       | 3.45     | 20       |
| B280313            |                          | 1.39         | <0.01   | <0.5     | 7.59     | <5       | 2550     | 2.3      | <2       | 3.15     | <0.5     | 15       | 58       | 7        | 3.35     | 20       |
| B280314            |                          | 1.44         | <0.01   | <0.5     | 6.44     | <5       | 1970     | 2.3      | 4        | 5.04     | <0.5     | 30       | 266      | 36       | 5.08     | 20       |
| B280315            |                          | 1.21         | <0.01   | <0.5     | 6.44     | <5       | 1930     | 2.2      | 3        | 5.18     | <0.5     | 34       | 306      | 98       | 5.41     | 20       |
| B280316            |                          | 1.26         | <0.01   | <0.5     | 6.26     | <5       | 1810     | 2.0      | 5        | 4.96     | <0.5     | 33       | 305      | 17       | 5.27     | 20       |
| B280317            |                          | 0.77         | <0.01   | <0.5     | 6.54     | <5       | 1910     | 2.2      | 3        | 4.91     | <0.5     | 33       | 306      | 65       | 5.37     | 20       |
| B280318            |                          | 2.38         | <0.01   | <0.5     | 7.01     | <5       | 1880     | 2.3      | 5        | 4.91     | <0.5     | 34       | 287      | 24       | 5.54     | 20       |
| B280319            |                          | 2.02         | <0.01   | <0.5     | 7.42     | <5       | 2300     | 2.2      | 3        | 3.32     | <0.5     | 20       | 124      | 14       | 3.78     | 20       |
| B280320            |                          | 0.06         | 3.95    |          |          |          |          |          |          |          |          |          |          |          |          |          |
| B280321            |                          | 2.01         | <0.01   | <0.5     | 7.75     | <5       | 2520     | 2.3      | <2       | 2.81     | <0.5     | 15       | 62       | 13       | 3.30     | 20       |
| B280322            |                          | 2.65         | <0.01   | <0.5     | 7.41     | <5       | 2250     | 2.1      | 2        | 3.43     | <0.5     | 17       | 101      | 20       | 3.57     | 20       |
| B280323            |                          | 2.34         | <0.01   | <0.5     | 7.68     | <5       | 2360     | 2.3      | <2       | 2.72     | <0.5     | 14       | 61       | 17       | 3.18     | 20       |
| B280324            |                          | 1.44         | <0.01   | <0.5     | 7.41     | <5       | 2310     | 2.2      | <2       | 2.75     | <0.5     | 14       | 61       | 30       | 3.19     | 20       |
| B280325            |                          | 0.71         | 0.03    | 0.7      | 7.62     | <5       | 220      | 2.2      | 3        | 2.54     | <0.5     | 18       | 52       | 62       | 4.17     | 20       |
| B280326            |                          | 1.52         | <0.01   | <0.5     | 7.93     | <5       | 2540     | 2.3      | 3        | 2.75     | <0.5     | 14       | 61       | 21       | 3.24     | 20       |
| B280327            |                          | 1.82         | <0.01   | <0.5     | 7.75     | <5       | 2700     | 2.3      | 4        | 2.68     | <0.5     | 14       | 57       | 27       | 3.19     | 20       |
| B280328            |                          | 0.63         | 0.03    | <0.5     | 5.67     | <5       | 1190     | 2.2      | 2        | 4.98     | <0.5     | 18       | 131      | 67       | 3.50     | 20       |
| B280329            |                          | 2.08         | <0.01   | <0.5     | 7.54     | <5       | 2650     | 2.0      | <2       | 2.80     | <0.5     | 13       | 49       | 18       | 3.04     | 20       |
| B280330            |                          | 0.84         | <0.01   | <0.5     | 0.21     | <5       | 10       | <0.5     | <2       | 0.01     | <0.5     | 1        | 16       | 2        | 0.31     | <10      |
| B280331            |                          | 1.24         | <0.01   | <0.5     | 6.80     | <5       | 1430     | 2.7      | 4        | 3.98     | <0.5     | 25       | 193      | 18       | 4.39     | 20       |
| B280332            |                          | 1.69         | <0.01   | <0.5     | 6.87     | <5       | 1420     | 2.7      | 3        | 3.92     | <0.5     | 27       | 204      | 17       | 4.55     | 20       |
| B280333            |                          | 0.63         | <0.01   | 0.7      | 6.85     | <5       | 2140     | 2.0      | 4        | 2.64     | <0.5     | 12       | 54       | 141      | 3.01     | 20       |
| B280334            |                          | 1.32         | <0.01   | <0.5     | 7.53     | <5       | 2220     | 2.2      | <2       | 2.91     | <0.5     | 14       | 66       | 74       | 3.19     | 20       |
| B280335            |                          | 0.69         | 0.01    | 1.9      | 7.02     | <5       | 2080     | 1.9      | 15       | 2.91     | <0.5     | 13       | 62       | 65       | 2.97     | 20       |
| B280336            |                          | 1.52         | <0.01   | <0.5     | 7.62     | <5       | 2280     | 2.2      | 3        | 2.93     | <0.5     | 14       | 65       | 28       | 3.16     | 20       |
| B280337            |                          | 1.01         | <0.01   | <0.5     | 7.55     | <5       | 2310     | 2.1      | <2       | 2.61     | <0.5     | 14       | 68       | 18       | 3.17     | 20       |
| B280338            |                          | 2.86         | 0.01    | <0.5     | 7.52     | <5       | 2460     | 2.0      | <2       | 2.95     | <0.5     | 14       | 65       | 55       | 3.16     | 20       |
| B280339            |                          | 2.35         | <0.01   | <0.5     | 7.04     | <5       | 2040     | 2.6      | 2        | 4.51     | <0.5     | 22       | 147      | 7        | 3.87     | 20       |
| B280340            |                          | 0.06         | 4.07    |          |          |          |          |          |          |          |          |          |          |          |          |          |



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Project: Golden Perimeter

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| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| B280301            |                          | 2.74     | 40       | 1.56     | 649      | <1       | 3.61     | 22       | 1240     | 27       | 0.20     | <5       | 9        | 856      | <20      | 0.24 |
| B280302            |                          | 2.76     | 40       | 1.55     | 689      | 11       | 3.94     | 22       | 1250     | 26       | 0.20     | <5       | 9        | 948      | <20      | 0.24 |
| B280303            |                          | 2.99     | 50       | 1.69     | 719      | <1       | 3.85     | 25       | 1310     | 24       | 0.10     | <5       | 10       | 1230     | <20      | 0.25 |
| B280304            |                          | 2.41     | 50       | 1.75     | 733      | <1       | 4.46     | 22       | 1400     | 40       | 0.49     | <5       | 11       | 1125     | <20      | 0.26 |
| B280305            |                          | 2.70     | 40       | 1.57     | 691      | <1       | 3.99     | 20       | 1280     | 31       | 0.22     | 5        | 10       | 1135     | <20      | 0.25 |
| B280306            |                          | 2.81     | 50       | 1.69     | 710      | <1       | 4.15     | 22       | 1350     | 24       | 0.19     | <5       | 10       | 1155     | <20      | 0.26 |
| B280307            |                          | 2.37     | 50       | 1.63     | 689      | 128      | 4.37     | 22       | 1360     | 39       | 0.40     | <5       | 10       | 1295     | <20      | 0.26 |
| B280308            |                          | 2.50     | 50       | 1.68     | 693      | <1       | 4.05     | 22       | 1340     | 30       | 0.19     | <5       | 10       | 1315     | <20      | 0.26 |
| B280309            |                          | 3.02     | 50       | 1.62     | 688      | <1       | 3.63     | 22       | 1300     | 26       | 0.09     | <5       | 10       | 1290     | <20      | 0.24 |
| B280310            |                          | 0.02     | 10       | <0.01    | 24       | <1       | 0.01     | 2        | 20       | <2       | <0.01    | <5       | <1       | 3        | <20      | 0.02 |
| B280311            |                          | 3.05     | 40       | 1.66     | 706      | <1       | 3.71     | 25       | 1270     | 29       | 0.07     | 5        | 10       | 1120     | <20      | 0.25 |
| B280312            |                          | 3.11     | 50       | 1.70     | 740      | <1       | 3.86     | 20       | 1400     | 25       | 0.06     | 6        | 11       | 1255     | <20      | 0.27 |
| B280313            |                          | 2.97     | 50       | 1.69     | 727      | <1       | 3.74     | 22       | 1350     | 22       | 0.09     | <5       | 10       | 1150     | <20      | 0.26 |
| B280314            |                          | 2.48     | 40       | 4.31     | 1045     | 1        | 2.70     | 88       | 1720     | 16       | 0.03     | <5       | 20       | 754      | <20      | 0.41 |
| B280315            |                          | 2.76     | 40       | 4.60     | 1030     | <1       | 2.57     | 102      | 1850     | 26       | 0.03     | <5       | 21       | 859      | <20      | 0.43 |
| B280316            |                          | 2.61     | 40       | 4.41     | 973      | <1       | 2.50     | 100      | 1780     | 16       | 0.02     | <5       | 21       | 932      | <20      | 0.41 |
| B280317            |                          | 2.69     | 40       | 4.40     | 1005     | 1        | 2.73     | 98       | 1840     | 16       | 0.05     | <5       | 21       | 825      | <20      | 0.42 |
| B280318            |                          | 2.56     | 50       | 4.42     | 1015     | <1       | 3.11     | 96       | 1910     | 26       | 0.03     | <5       | 21       | 841      | <20      | 0.44 |
| B280319            |                          | 2.88     | 40       | 2.28     | 784      | <1       | 3.62     | 39       | 1450     | 23       | 0.10     | <5       | 12       | 1060     | <20      | 0.29 |
| B280320            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| B280321            |                          | 3.16     | 50       | 1.69     | 704      | <1       | 3.74     | 23       | 1340     | 30       | 0.17     | <5       | 10       | 994      | <20      | 0.26 |
| B280322            |                          | 2.81     | 40       | 2.06     | 804      | <1       | 3.60     | 31       | 1430     | 30       | 0.11     | <5       | 12       | 886      | <20      | 0.28 |
| B280323            |                          | 2.41     | 50       | 1.63     | 684      | <1       | 4.14     | 21       | 1270     | 23       | 0.31     | <5       | 10       | 914      | <20      | 0.25 |
| B280324            |                          | 2.23     | 40       | 1.59     | 649      | <1       | 4.11     | 21       | 1260     | 28       | 0.55     | <5       | 9        | 739      | <20      | 0.24 |
| B280325            |                          | 1.52     | 40       | 1.42     | 587      | 1160     | 4.61     | 22       | 1270     | 96       | 2.58     | <5       | 9        | 654      | <20      | 0.20 |
| B280326            |                          | 3.17     | 50       | 1.66     | 687      | 2        | 3.81     | 21       | 1310     | 23       | 0.21     | <5       | 10       | 1025     | <20      | 0.25 |
| B280327            |                          | 3.02     | 50       | 1.60     | 664      | 1        | 3.80     | 21       | 1290     | 26       | 0.29     | <5       | 10       | 905      | <20      | 0.25 |
| B280328            |                          | 1.06     | 30       | 2.33     | 854      | 32       | 3.17     | 44       | 1190     | 51       | 1.10     | <5       | 12       | 573      | <20      | 0.27 |
| B280329            |                          | 2.73     | 40       | 1.48     | 582      | <1       | 3.56     | 21       | 1160     | 32       | 0.17     | 6        | 9        | 835      | <20      | 0.22 |
| B280330            |                          | 0.02     | 10       | 0.01     | 27       | <1       | 0.01     | 3        | 20       | <2       | <0.01    | <5       | <1       | 6        | <20      | 0.02 |
| B280331            |                          | 2.54     | 40       | 3.35     | 838      | 1        | 2.98     | 64       | 1600     | 26       | 0.07     | <5       | 16       | 754      | <20      | 0.37 |
| B280332            |                          | 2.56     | 40       | 3.48     | 849      | 1        | 2.99     | 65       | 1660     | 24       | 0.09     | <5       | 17       | 762      | <20      | 0.39 |
| B280333            |                          | 2.45     | 40       | 1.44     | 513      | 16       | 3.19     | 20       | 1170     | 96       | 0.36     | <5       | 9        | 738      | <20      | 0.20 |
| B280334            |                          | 2.98     | 40       | 1.69     | 667      | 1        | 3.44     | 21       | 1290     | 27       | 0.13     | <5       | 10       | 1110     | <20      | 0.24 |
| B280335            |                          | 2.71     | 40       | 1.52     | 626      | <1       | 3.32     | 21       | 1200     | 303      | 0.44     | <5       | 9        | 621      | <20      | 0.22 |
| B280336            |                          | 3.07     | 40       | 1.65     | 635      | <1       | 3.52     | 23       | 1280     | 38       | 0.20     | <5       | 10       | 839      | <20      | 0.24 |
| B280337            |                          | 3.02     | 40       | 1.67     | 615      | <1       | 3.48     | 25       | 1270     | 27       | 0.09     | <5       | 10       | 1060     | <20      | 0.24 |
| B280338            |                          | 3.12     | 40       | 1.65     | 616      | <1       | 3.34     | 24       | 1300     | 35       | 0.20     | <5       | 10       | 915      | <20      | 0.22 |
| B280339            |                          | 2.30     | 100      | 3.03     | 686      | 1        | 3.58     | 156      | 2930     | 16       | 0.22     | <5       | 10       | 833      | 20       | 0.33 |
| B280340            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |



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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20066548**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| B280301            |                                   | <10      | <10      | 91       | <10      | 66       |
| B280302            |                                   | <10      | <10      | 89       | <10      | 68       |
| B280303            |                                   | <10      | <10      | 93       | <10      | 70       |
| B280304            |                                   | <10      | <10      | 95       | <10      | 72       |
| B280305            |                                   | <10      | <10      | 91       | <10      | 67       |
| B280306            |                                   | <10      | <10      | 93       | <10      | 69       |
| B280307            |                                   | <10      | <10      | 88       | <10      | 67       |
| B280308            |                                   | <10      | <10      | 92       | <10      | 68       |
| B280309            |                                   | <10      | <10      | 91       | <10      | 64       |
| B280310            |                                   | <10      | <10      | 3        | <10      | <2       |
| B280311            |                                   | <10      | <10      | 90       | <10      | 66       |
| B280312            |                                   | <10      | <10      | 97       | <10      | 70       |
| B280313            |                                   | <10      | <10      | 92       | <10      | 67       |
| B280314            |                                   | <10      | <10      | 153      | <10      | 102      |
| B280315            |                                   | <10      | <10      | 159      | <10      | 98       |
| B280316            |                                   | <10      | <10      | 156      | <10      | 93       |
| B280317            |                                   | <10      | <10      | 159      | <10      | 96       |
| B280318            |                                   | <10      | <10      | 163      | <10      | 98       |
| B280319            |                                   | <10      | <10      | 106      | <10      | 78       |
| B280320            |                                   |          |          |          |          |          |
| B280321            |                                   | <10      | <10      | 91       | <10      | 69       |
| B280322            |                                   | <10      | <10      | 100      | <10      | 79       |
| B280323            |                                   | <10      | <10      | 87       | <10      | 65       |
| B280324            |                                   | <10      | <10      | 87       | <10      | 65       |
| B280325            |                                   | <10      | <10      | 75       | <10      | 58       |
| B280326            |                                   | <10      | <10      | 91       | <10      | 66       |
| B280327            |                                   | <10      | <10      | 90       | <10      | 64       |
| B280328            |                                   | <10      | <10      | 100      | <10      | 79       |
| B280329            |                                   | <10      | <10      | 83       | <10      | 60       |
| B280330            |                                   | <10      | <10      | 3        | <10      | <2       |
| B280331            |                                   | <10      | <10      | 120      | <10      | 92       |
| B280332            |                                   | <10      | <10      | 125      | <10      | 94       |
| B280333            |                                   | <10      | <10      | 77       | <10      | 62       |
| B280334            |                                   | <10      | <10      | 87       | <10      | 67       |
| B280335            |                                   | <10      | <10      | 86       | 10       | 64       |
| B280336            |                                   | <10      | <10      | 90       | <10      | 65       |
| B280337            |                                   | <10      | <10      | 88       | <10      | 64       |
| B280338            |                                   | <10      | <10      | 85       | <10      | 66       |
| B280339            |                                   | <10      | <10      | 95       | <10      | 103      |
| B280340            |                                   |          |          |          |          |          |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Plus Appendix Pages  
 Finalized Date: 15-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

|                         |            |
|-------------------------|------------|
| CERTIFICATE OF ANALYSIS | TM20066548 |
|-------------------------|------------|

| Sample Description | Method Analyte Units LOD | WEI-21 | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|--------------------------|--------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    | Recvd Wt.                | Au     | Ag      | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga       |          |
|                    | kg                       | ppm    | ppm     | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      |          |
|                    | 0.02                     | 0.01   | 0.5     | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       |          |
| B280341            | 2.44                     | <0.01  | <0.5    | 7.31     | <5       | 2110     | 2.4      | 3        | 4.02     | <0.5     | 23       | 112      | 28       | 4.00     | 20       |          |
| B280342            | 2.45                     | <0.01  | <0.5    | 7.06     | <5       | 1970     | 2.2      | <2       | 3.65     | <0.5     | 22       | 92       | 24       | 3.89     | 20       |          |
| B280343            | 2.62                     | 0.03   | <0.5    | 7.07     | <5       | 2070     | 2.3      | <2       | 4.52     | <0.5     | 21       | 80       | 18       | 3.40     | 20       |          |
| B280344            | 2.51                     | <0.01  | <0.5    | 6.83     | <5       | 1790     | 1.9      | 2        | 3.76     | <0.5     | 20       | 81       | 22       | 3.50     | 20       |          |
| B280345            | 1.33                     | <0.01  | <0.5    | 6.81     | <5       | 1660     | 2.1      | 2        | 3.80     | <0.5     | 17       | 93       | 18       | 3.30     | 20       |          |
| B280346            | 1.70                     | <0.01  | <0.5    | 6.83     | <5       | 1840     | 2.0      | <2       | 3.93     | <0.5     | 22       | 96       | 8        | 3.65     | 20       |          |
| B280347            | 1.17                     | 0.01   | <0.5    | 7.00     | <5       | 1950     | 2.0      | <2       | 4.41     | <0.5     | 19       | 81       | 31       | 3.64     | 20       |          |
| B280348            | 2.25                     | <0.01  | <0.5    | 6.71     | <5       | 1900     | 2.2      | 3        | 3.98     | <0.5     | 22       | 134      | 9        | 3.76     | 20       |          |
| B280349            | 1.15                     | <0.01  | <0.5    | 6.92     | <5       | 1480     | 2.5      | 3        | 5.01     | <0.5     | 22       | 138      | 136      | 3.72     | 20       |          |
| B280350            | 0.75                     | <0.01  | <0.5    | 0.46     | <5       | 10       | <0.5     | <2       | 0.02     | <0.5     | 1        | 16       | 3        | 0.47     | <10      |          |
| B280351            | 1.14                     | <0.01  | <0.5    | 7.43     | <5       | 2650     | 2.2      | 3        | 2.99     | <0.5     | 16       | 58       | 14       | 3.31     | 20       |          |
| B280352            | 1.77                     | 0.01   | 3.3     | 7.27     | <5       | 2430     | 2.1      | 23       | 3.26     | <0.5     | 16       | 63       | 18       | 3.25     | 20       |          |
| B280353            | 0.55                     | <0.01  | 1.8     | 7.80     | <5       | 2340     | 2.2      | 15       | 2.63     | <0.5     | 15       | 62       | 39       | 3.39     | 20       |          |
| B280354            | 1.49                     | <0.01  | <0.5    | 7.56     | <5       | 2440     | 2.2      | <2       | 2.93     | <0.5     | 14       | 63       | 22       | 3.37     | 20       |          |
| B280355            | 0.96                     | <0.01  | <0.5    | 6.90     | <5       | 2670     | 2.0      | <2       | 3.94     | <0.5     | 14       | 59       | 15       | 3.14     | 20       |          |
| B280356            | 2.24                     | <0.01  | <0.5    | 7.62     | <5       | 2280     | 2.3      | 2        | 3.10     | <0.5     | 15       | 76       | 15       | 3.43     | 20       |          |
| B280357            | 1.62                     | <0.01  | <0.5    | 7.37     | <5       | 2000     | 2.7      | <2       | 3.48     | <0.5     | 21       | 98       | 18       | 4.19     | 20       |          |
| B280358            | 3.42                     | 0.02   | <0.5    | 7.74     | <5       | 2100     | 2.5      | 2        | 3.23     | <0.5     | 18       | 117      | 14       | 3.63     | 20       |          |
| B280359            | 2.28                     | <0.01  | <0.5    | 7.52     | <5       | 2050     | 2.3      | 2        | 3.39     | <0.5     | 19       | 99       | 26       | 3.80     | 20       |          |
| B280360            | 0.05                     | 0.53   |         |          |          |          |          |          |          |          |          |          |          |          |          |          |
| B280361            | 1.40                     | <0.01  | <0.5    | 7.54     | <5       | 2200     | 2.4      | <2       | 3.25     | <0.5     | 15       | 95       | 11       | 3.38     | 20       |          |
| B280362            | 2.27                     | 0.01   | <0.5    | 7.29     | <5       | 2460     | 2.4      | <2       | 3.18     | <0.5     | 15       | 72       | 25       | 3.19     | 20       |          |
| B280363            | 0.70                     | 0.04   | <0.5    | 6.18     | <5       | 1390     | 2.0      | <2       | 2.17     | <0.5     | 12       | 33       | 26       | 2.80     | 20       |          |
| B280364            | 2.20                     | <0.01  | <0.5    | 8.14     | <5       | 2760     | 2.2      | 3        | 2.60     | <0.5     | 14       | 33       | 20       | 3.17     | 20       |          |
| B280365            | 1.01                     | <0.01  | <0.5    | 7.78     | <5       | 2650     | 2.3      | 2        | 2.35     | <0.5     | 13       | 30       | 27       | 3.10     | 20       |          |
| B280366            | 1.11                     | <0.01  | <0.5    | 7.42     | <5       | 2550     | 2.3      | <2       | 2.30     | <0.5     | 12       | 29       | 29       | 2.93     | 20       |          |
| B280367            | 2.23                     | <0.01  | <0.5    | 7.32     | <5       | 3140     | 1.9      | <2       | 2.63     | <0.5     | 10       | 28       | 22       | 2.56     | 20       |          |
| B280368            | 2.39                     | <0.01  | <0.5    | 7.12     | <5       | 2420     | 2.1      | <2       | 2.11     | <0.5     | 12       | 27       | 12       | 2.77     | 20       |          |
| B280369            | 1.14                     | 0.01   | <0.5    | 7.02     | <5       | 2720     | 2.0      | 2        | 2.09     | <0.5     | 12       | 27       | 5        | 2.83     | 20       |          |
| B280370            | 0.39                     | <0.01  | <0.5    | 0.19     | <5       | 10       | <0.5     | <2       | 0.01     | <0.5     | <1       | 10       | 8        | 0.34     | <10      |          |
| B280371            | 1.29                     | 0.09   | <0.5    | 7.03     | <5       | 1400     | 2.3      | <2       | 1.63     | <0.5     | 12       | 29       | 5        | 2.56     | 20       |          |
| B280372            | 1.47                     | <0.01  | <0.5    | 7.19     | <5       | 2520     | 2.2      | <2       | 2.51     | <0.5     | 11       | 29       | 16       | 2.90     | 20       |          |
| B280373            | 0.43                     | <0.01  | <0.5    | 7.36     | <5       | 2730     | 2.2      | <2       | 2.63     | <0.5     | 13       | 31       | 51       | 2.87     | 20       |          |
| B280374            | 2.70                     | <0.01  | <0.5    | 7.31     | <5       | 2710     | 2.0      | 3        | 2.84     | <0.5     | 13       | 30       | 16       | 3.00     | 20       |          |
| B280375            | 2.40                     | <0.01  | <0.5    | 7.62     | <5       | 2740     | 2.4      | <2       | 2.37     | <0.5     | 13       | 32       | 16       | 3.14     | 20       |          |
| B280376            | 0.48                     | <0.01  | <0.5    | 6.94     | <5       | 2390     | 2.2      | <2       | 2.32     | <0.5     | 13       | 30       | 19       | 3.01     | 20       |          |
| B280377            | 1.52                     | <0.01  | <0.5    | 7.33     | <5       | 2710     | 2.2      | 2        | 2.65     | <0.5     | 14       | 31       | 6        | 3.22     | 20       |          |
| B280378            | 2.11                     | <0.01  | <0.5    | 7.57     | <5       | 2780     | 2.1      | <2       | 2.65     | <0.5     | 12       | 30       | 10       | 3.15     | 20       |          |
| B280379            | 0.56                     | 0.05   | 3.3     | 6.88     | <5       | 1560     | 2.0      | 7        | 3.32     | <0.5     | 14       | 25       | 16       | 3.07     | 20       |          |
| B280380            | 0.06                     | 0.52   |         |          |          |          |          |          |          |          |          |          |          |          |          |          |





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

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| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| B280341            |                          | 3.00     | 100      | 2.97     | 655      | 1        | 3.58     | 130      | 3190     | 17       | 0.38     | <5       | 10       | 902      | <20      | 0.27 |
| B280342            |                          | 2.60     | 100      | 2.81     | 618      | <1       | 3.76     | 118      | 2990     | 15       | 0.69     | 5        | 10       | 804      | <20      | 0.22 |
| B280343            |                          | 1.64     | 100      | 2.30     | 645      | <1       | 4.23     | 104      | 2920     | 14       | 0.93     | <5       | 9        | 766      | <20      | 0.21 |
| B280344            |                          | 1.86     | 100      | 2.44     | 577      | <1       | 4.09     | 106      | 2840     | 12       | 0.53     | <5       | 9        | 734      | 20       | 0.20 |
| B280345            |                          | 1.46     | 100      | 2.50     | 580      | <1       | 4.31     | 121      | 2750     | 14       | 0.59     | <5       | 8        | 1255     | 20       | 0.19 |
| B280346            |                          | 1.46     | 100      | 2.77     | 602      | 2        | 4.31     | 127      | 2980     | 14       | 0.73     | <5       | 9        | 2450     | 20       | 0.17 |
| B280347            |                          | 1.21     | 100      | 2.60     | 605      | 1        | 4.45     | 116      | 2750     | 11       | 1.57     | 5        | 9        | 1020     | 20       | 0.14 |
| B280348            |                          | 1.82     | 100      | 3.03     | 616      | 2        | 3.76     | 146      | 2840     | 13       | 0.40     | <5       | 10       | 1605     | <20      | 0.24 |
| B280349            |                          | 1.97     | 100      | 2.80     | 714      | 2        | 3.50     | 153      | 2790     | 10       | 0.25     | <5       | 10       | 952      | 20       | 0.30 |
| B280350            |                          | 0.03     | 10       | 0.02     | 27       | <1       | 0.01     | 1        | 50       | <2       | <0.01    | <5       | <1       | 12       | <20      | 0.03 |
| B280351            |                          | 2.85     | 40       | 1.55     | 644      | <1       | 3.72     | 23       | 1380     | 39       | 0.28     | <5       | 10       | 5830     | 20       | 0.23 |
| B280352            |                          | 2.67     | 40       | 1.64     | 671      | <1       | 3.79     | 24       | 1350     | 476      | 0.38     | <5       | 10       | 1090     | <20      | 0.23 |
| B280353            |                          | 3.09     | 50       | 1.68     | 663      | <1       | 3.57     | 22       | 1300     | 336      | 0.34     | <5       | 10       | 1240     | <20      | 0.25 |
| B280354            |                          | 2.91     | 40       | 1.76     | 688      | <1       | 3.50     | 23       | 1370     | 35       | 0.19     | <5       | 10       | 2210     | <20      | 0.25 |
| B280355            |                          | 2.88     | 30       | 1.56     | 732      | <1       | 3.37     | 23       | 1340     | 28       | 0.22     | 5        | 9        | 1135     | <20      | 0.24 |
| B280356            |                          | 2.96     | 50       | 1.87     | 732      | <1       | 3.60     | 28       | 1400     | 29       | 0.07     | <5       | 11       | 1245     | <20      | 0.27 |
| B280357            |                          | 2.77     | 40       | 2.39     | 856      | <1       | 3.57     | 40       | 1580     | 29       | 0.04     | <5       | 12       | 1100     | <20      | 0.33 |
| B280358            |                          | 3.27     | 40       | 2.24     | 802      | <1       | 3.60     | 33       | 1470     | 30       | 0.07     | <5       | 13       | 1050     | <20      | 0.29 |
| B280359            |                          | 2.75     | 40       | 2.23     | 769      | <1       | 3.71     | 35       | 1500     | 25       | 0.03     | 5        | 12       | 1035     | <20      | 0.31 |
| B280360            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| B280361            |                          | 3.26     | 40       | 1.97     | 730      | <1       | 3.50     | 30       | 1370     | 30       | 0.09     | <5       | 11       | 1060     | <20      | 0.26 |
| B280362            |                          | 2.79     | 40       | 1.72     | 691      | <1       | 3.54     | 23       | 1300     | 33       | 0.31     | <5       | 10       | 945      | <20      | 0.24 |
| B280363            |                          | 1.50     | 40       | 1.24     | 466      | 45       | 3.40     | 20       | 940      | 31       | 0.67     | <5       | 10       | 646      | <20      | 0.19 |
| B280364            |                          | 2.84     | 50       | 1.45     | 643      | <1       | 4.02     | 17       | 1280     | 50       | 0.12     | <5       | 9        | 1095     | <20      | 0.24 |
| B280365            |                          | 2.84     | 50       | 1.49     | 556      | <1       | 3.83     | 18       | 1210     | 32       | 0.28     | <5       | 9        | 843      | <20      | 0.22 |
| B280366            |                          | 2.66     | 40       | 1.36     | 555      | <1       | 3.74     | 17       | 1190     | 34       | 0.26     | <5       | 8        | 857      | <20      | 0.22 |
| B280367            |                          | 2.49     | 40       | 1.17     | 557      | <1       | 3.86     | 15       | 1200     | 26       | 0.35     | <5       | 8        | 804      | <20      | 0.21 |
| B280368            |                          | 2.60     | 40       | 1.41     | 494      | 1        | 3.43     | 16       | 1140     | 22       | 0.21     | <5       | 8        | 702      | <20      | 0.21 |
| B280369            |                          | 2.49     | 50       | 1.40     | 488      | <1       | 3.56     | 17       | 1170     | 53       | 0.24     | <5       | 8        | 610      | <20      | 0.22 |
| B280370            |                          | 0.02     | 10       | 0.01     | 25       | <1       | 0.01     | 2        | 30       | <2       | <0.01    | <5       | <1       | 3        | <20      | 0.02 |
| B280371            |                          | 1.90     | 50       | 1.42     | 423      | <1       | 3.68     | 16       | 1220     | 66       | 0.45     | <5       | 8        | 274      | <20      | 0.23 |
| B280372            |                          | 2.20     | 40       | 1.29     | 540      | <1       | 3.59     | 16       | 1220     | 35       | 0.11     | <5       | 8        | 960      | <20      | 0.22 |
| B280373            |                          | 1.91     | 40       | 1.28     | 540      | <1       | 4.00     | 17       | 1210     | 91       | 0.49     | <5       | 8        | 1035     | <20      | 0.23 |
| B280374            |                          | 2.37     | 40       | 1.28     | 625      | <1       | 3.88     | 16       | 1310     | 34       | 0.21     | <5       | 8        | 932      | <20      | 0.25 |
| B280375            |                          | 2.59     | 50       | 1.44     | 628      | 1        | 3.90     | 18       | 1310     | 26       | 0.20     | <5       | 9        | 1150     | <20      | 0.25 |
| B280376            |                          | 2.48     | 40       | 1.42     | 586      | 2        | 3.21     | 19       | 1280     | 26       | 0.46     | <5       | 8        | 708      | <20      | 0.23 |
| B280377            |                          | 2.60     | 40       | 1.52     | 633      | <1       | 3.69     | 17       | 1350     | 33       | 0.17     | <5       | 9        | 1005     | <20      | 0.25 |
| B280378            |                          | 2.76     | 40       | 1.44     | 625      | <1       | 3.72     | 17       | 1330     | 35       | 0.10     | <5       | 9        | 1125     | <20      | 0.26 |
| B280379            |                          | 1.76     | 40       | 1.21     | 690      | 6        | 3.97     | 17       | 1180     | 499      | 1.46     | <5       | 8        | 668      | <20      | 0.18 |
| B280380            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| B280341            |                                   | <10      | <10      | 89       | <10      | 95       |
| B280342            |                                   | <10      | <10      | 87       | <10      | 91       |
| B280343            |                                   | <10      | <10      | 101      | <10      | 77       |
| B280344            |                                   | <10      | <10      | 80       | <10      | 84       |
| B280345            |                                   | <10      | <10      | 82       | <10      | 82       |
| B280346            |                                   | <10      | <10      | 78       | <10      | 90       |
| B280347            |                                   | <10      | <10      | 88       | <10      | 79       |
| B280348            |                                   | <10      | <10      | 85       | <10      | 95       |
| B280349            |                                   | <10      | <10      | 90       | <10      | 92       |
| B280350            |                                   | <10      | <10      | 3        | <10      | 3        |
| B280351            |                                   | <10      | <10      | 90       | <10      | 67       |
| B280352            |                                   | <10      | <10      | 94       | <10      | 69       |
| B280353            |                                   | <10      | <10      | 93       | <10      | 66       |
| B280354            |                                   | <10      | <10      | 94       | <10      | 70       |
| B280355            |                                   | <10      | <10      | 93       | 10       | 68       |
| B280356            |                                   | <10      | <10      | 96       | <10      | 70       |
| B280357            |                                   | <10      | <10      | 113      | <10      | 88       |
| B280358            |                                   | <10      | <10      | 99       | <10      | 76       |
| B280359            |                                   | <10      | <10      | 104      | <10      | 74       |
| B280360            |                                   |          |          |          |          |          |
| B280361            |                                   | <10      | <10      | 94       | <10      | 70       |
| B280362            |                                   | <10      | <10      | 90       | <10      | 72       |
| B280363            |                                   | <10      | <10      | 78       | <10      | 50       |
| B280364            |                                   | <10      | <10      | 97       | <10      | 65       |
| B280365            |                                   | <10      | <10      | 91       | <10      | 62       |
| B280366            |                                   | <10      | <10      | 90       | <10      | 60       |
| B280367            |                                   | <10      | <10      | 78       | <10      | 51       |
| B280368            |                                   | <10      | <10      | 79       | <10      | 60       |
| B280369            |                                   | <10      | <10      | 78       | <10      | 64       |
| B280370            |                                   | <10      | <10      | 3        | <10      | 5        |
| B280371            |                                   | <10      | <10      | 94       | <10      | 69       |
| B280372            |                                   | <10      | <10      | 85       | <10      | 62       |
| B280373            |                                   | <10      | <10      | 84       | <10      | 63       |
| B280374            |                                   | <10      | <10      | 88       | 10       | 64       |
| B280375            |                                   | <10      | <10      | 96       | <10      | 64       |
| B280376            |                                   | <10      | <10      | 93       | <10      | 64       |
| B280377            |                                   | <10      | <10      | 94       | <10      | 67       |
| B280378            |                                   | <10      | <10      | 94       | <10      | 66       |
| B280379            |                                   | <10      | <10      | 76       | <10      | 57       |
| B280380            |                                   |          |          |          |          |          |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Plus Appendix Pages  
 Finalized Date: 15-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20066548**

| Sample Description | Method  | WEI-21    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|---------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    | Analyte | Recvd Wt. | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga       |
|                    | Units   | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      |
|                    | LOD     | 0.02      | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       |
| B280381            |         | 1.28      | 0.02    | <0.5     | 7.18     | <5       | 2480     | 2.2      | 4        | 2.80     | <0.5     | 15       | 62       | 27       | 3.25     | 20       |
| B280382            |         | 1.95      | <0.01   | <0.5     | 7.44     | <5       | 2600     | 2.1      | <2       | 2.54     | <0.5     | 13       | 30       | 20       | 3.04     | 20       |
| B280383            |         | 0.45      | <0.01   | 3.5      | 6.95     | <5       | 2360     | 2.0      | 22       | 2.12     | <0.5     | 12       | 29       | 84       | 2.89     | 20       |
| B280384            |         | 1.71      | <0.01   | <0.5     | 7.48     | <5       | 2690     | 2.2      | 2        | 2.47     | <0.5     | 14       | 29       | 53       | 3.06     | 20       |
| B280385            |         | 1.30      | <0.01   | <0.5     | 7.60     | <5       | 2500     | 2.4      | <2       | 2.45     | <0.5     | 14       | 34       | 25       | 3.28     | 20       |
| B280386            |         | 1.39      | <0.01   | <0.5     | 7.84     | <5       | 2740     | 2.6      | 2        | 2.70     | <0.5     | 15       | 34       | 21       | 3.39     | 20       |
| B280387            |         | 0.27      | 0.02    | 6.1      | 7.19     | <5       | 2590     | 2.0      | 25       | 2.72     | <0.5     | 15       | 31       | 30       | 3.17     | 20       |
| B280388            |         | 2.36      | <0.01   | <0.5     | 8.22     | <5       | 2800     | 2.6      | <2       | 2.79     | <0.5     | 15       | 36       | 12       | 3.57     | 20       |
| B280389            |         | 0.55      | 0.01    | 32.7     | 7.21     | <5       | 2750     | 2.2      | 223      | 2.23     | 1.0      | 14       | 31       | 56       | 3.30     | 20       |
| B280390            |         | 0.50      | <0.01   | <0.5     | 0.22     | <5       | 10       | <0.5     | <2       | 0.01     | <0.5     | <1       | 10       | 5        | 0.34     | <10      |
| B280391            |         | 1.98      | <0.01   | <0.5     | 7.56     | <5       | 2700     | 2.2      | 3        | 2.64     | <0.5     | 15       | 34       | 11       | 3.31     | 20       |
| B280392            |         | 2.48      | <0.01   | <0.5     | 7.50     | <5       | 2800     | 2.2      | 2        | 2.63     | <0.5     | 15       | 34       | 61       | 3.31     | 20       |
| B280393            |         | 0.81      | 0.01    | 14.4     | 6.93     | <5       | 2960     | 2.1      | 70       | 2.61     | 0.5      | 13       | 30       | 28       | 3.04     | 20       |
| B280394            |         | 1.80      | <0.01   | <0.5     | 7.52     | <5       | 2720     | 2.2      | <2       | 2.73     | <0.5     | 14       | 33       | 11       | 3.29     | 20       |
| B280395            |         | 1.21      | <0.01   | <0.5     | 6.84     | <5       | 1750     | 2.0      | 4        | 3.66     | <0.5     | 21       | 102      | 30       | 3.71     | 20       |
| B280396            |         | 2.58      | <0.01   | <0.5     | 7.28     | <5       | 2830     | 2.0      | 2        | 2.89     | <0.5     | 14       | 56       | 14       | 3.20     | 20       |
| B280397            |         | 0.68      | 0.01    | 2.3      | 7.75     | <5       | 930      | 2.0      | 11       | 3.27     | <0.5     | 30       | 88       | 370      | 6.57     | 30       |
| B280398            |         | 0.81      | <0.01   | <0.5     | 7.43     | <5       | 2420     | 2.1      | <2       | 2.94     | <0.5     | 15       | 42       | 21       | 3.53     | 20       |
| B280399            |         | 0.75      | <0.01   | <0.5     | 7.40     | <5       | 2640     | 2.1      | 3        | 2.91     | <0.5     | 14       | 32       | 12       | 3.34     | 20       |
| B280400            |         | 0.06      | 0.49    |          |          |          |          |          |          |          |          |          |          |          |          |          |
| B280401            |         | 2.58      | <0.01   | <0.5     | 7.80     | <5       | 2570     | 2.2      | <2       | 2.59     | <0.5     | 14       | 32       | 37       | 3.42     | 20       |
| B280402            |         | 0.80      | 0.01    | <0.5     | 7.51     | <5       | 2540     | 2.1      | 2        | 2.94     | <0.5     | 13       | 30       | 35       | 3.24     | 20       |
| B280403            |         | 0.65      | 0.03    | <0.5     | 6.91     | <5       | 2040     | 1.8      | <2       | 3.77     | <0.5     | 14       | 25       | 42       | 2.95     | 20       |
| B280404            |         | 2.89      | <0.01   | <0.5     | 7.43     | <5       | 2510     | 2.1      | <2       | 2.68     | <0.5     | 14       | 29       | 7        | 3.24     | 20       |
| B280405            |         | 3.07      | <0.01   | <0.5     | 7.58     | <5       | 2560     | 2.1      | <2       | 2.80     | <0.5     | 14       | 30       | 9        | 3.22     | 20       |
| B280406            |         | 0.55      | <0.01   | <0.5     | 6.16     | <5       | 2010     | 1.7      | <2       | 1.79     | <0.5     | 12       | 24       | 79       | 2.65     | 20       |
| B280407            |         | 1.92      | <0.01   | <0.5     | 7.37     | <5       | 2380     | 2.1      | <2       | 2.53     | <0.5     | 14       | 28       | 12       | 3.17     | 20       |
| B280408            |         | 1.79      | <0.01   | <0.5     | 7.19     | <5       | 2340     | 2.0      | 3        | 2.52     | <0.5     | 13       | 28       | 13       | 3.10     | 20       |
| B280409            |         | 0.59      | 0.01    | <0.5     | 6.41     | <5       | 2120     | 2.1      | 3        | 3.48     | <0.5     | 11       | 25       | 30       | 2.82     | 20       |
| B280410            |         | 0.41      | <0.01   | <0.5     | 0.15     | <5       | 10       | <0.5     | <2       | 0.01     | <0.5     | <1       | 14       | 5        | 0.27     | <10      |
| B280411            |         | 0.77      | 0.04    | <0.5     | 6.47     | <5       | 1990     | 2.1      | <2       | 2.69     | <0.5     | 12       | 27       | 33       | 2.63     | 20       |
| B280412            |         | 1.35      | 0.01    | <0.5     | 6.54     | <5       | 2100     | 1.9      | 3        | 2.48     | <0.5     | 12       | 27       | 31       | 2.74     | 20       |
| B280413            |         | 0.44      | 0.08    | 0.7      | 6.58     | <5       | 1120     | 1.5      | 5        | 2.52     | <0.5     | 13       | 24       | 29       | 2.94     | 20       |
| B280414            |         | 0.55      | <0.01   | <0.5     | 6.41     | <5       | 990      | 1.6      | <2       | 3.14     | <0.5     | 15       | 27       | 46       | 2.76     | 20       |
| B280415            |         | 0.72      | <0.01   | <0.5     | 6.74     | <5       | 2420     | 1.7      | <2       | 2.86     | <0.5     | 15       | 30       | 47       | 3.12     | 20       |
| B280416            |         | 2.92      | <0.01   | <0.5     | 2.90     | <5       | 30       | <0.5     | 3        | 3.97     | <0.5     | 88       | 1470     | 43       | 6.55     | 10       |
| B280417            |         | 3.09      | <0.01   | <0.5     | 3.06     | <5       | 180      | 0.5      | 2        | 3.54     | <0.5     | 83       | 1380     | 43       | 6.39     | 10       |
| B280418            |         | 0.75      | <0.01   | 1.1      | 7.03     | <5       | 2020     | 2.2      | 7        | 2.76     | <0.5     | 17       | 134      | 74       | 3.12     | 20       |
| B280419            |         | 3.08      | <0.01   | <0.5     | 2.90     | <5       | 30       | <0.5     | 5        | 4.11     | <0.5     | 88       | 1460     | 44       | 6.56     | 10       |
| B280420            |         | 0.06      | 0.52    |          |          |          |          |          |          |          |          |          |          |          |          |          |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Finalized Date: 15-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20066548**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| B280381            |                          | 2.57     | 40       | 1.67     | 715      | <1       | 3.51     | 25       | 1390     | 85       | 0.23     | <5       | 10       | 982      | <20      | 0.26 |
| B280382            |                          | 2.52     | 50       | 1.34     | 657      | 1        | 3.74     | 17       | 1290     | 29       | 0.10     | <5       | 9        | 1265     | <20      | 0.25 |
| B280383            |                          | 2.28     | 50       | 1.25     | 572      | 15       | 3.47     | 16       | 1190     | 356      | 0.44     | <5       | 8        | 993      | <20      | 0.22 |
| B280384            |                          | 2.44     | 50       | 1.36     | 638      | 19       | 3.76     | 21       | 1290     | 38       | 0.30     | <5       | 9        | 974      | <20      | 0.24 |
| B280385            |                          | 2.65     | 50       | 1.49     | 657      | 1        | 3.73     | 20       | 1380     | 41       | 0.24     | <5       | 10       | 973      | <20      | 0.26 |
| B280386            |                          | 2.82     | 50       | 1.57     | 710      | 1        | 4.01     | 20       | 1460     | 33       | 0.20     | <5       | 10       | 1165     | <20      | 0.28 |
| B280387            |                          | 1.70     | 40       | 1.38     | 579      | 251      | 3.84     | 18       | 1280     | 625      | 1.09     | <5       | 9        | 2490     | <20      | 0.24 |
| B280388            |                          | 2.73     | 60       | 1.64     | 702      | 1        | 4.01     | 22       | 1540     | 31       | 0.09     | <5       | 11       | 1170     | 20       | 0.29 |
| B280389            |                          | 2.34     | 60       | 1.45     | 612      | 46       | 3.39     | 19       | 1320     | 4630     | 0.67     | <5       | 10       | 1030     | <20      | 0.25 |
| B280390            |                          | 0.02     | 10       | 0.01     | 26       | <1       | 0.01     | 2        | 30       | 6        | <0.01    | <5       | <1       | 4        | <20      | 0.02 |
| B280391            |                          | 2.40     | 60       | 1.52     | 651      | 1        | 3.78     | 18       | 1400     | 46       | 0.07     | <5       | 10       | 1415     | 20       | 0.26 |
| B280392            |                          | 2.53     | 50       | 1.50     | 648      | 1        | 3.72     | 19       | 1410     | 53       | 0.19     | <5       | 10       | 3580     | 20       | 0.27 |
| B280393            |                          | 2.07     | 40       | 1.38     | 596      | 3        | 3.51     | 18       | 1280     | 1340     | 0.84     | <5       | 9        | 1460     | <20      | 0.24 |
| B280394            |                          | 2.47     | 50       | 1.50     | 661      | 2        | 3.75     | 18       | 1400     | 26       | 0.14     | <5       | 10       | 1380     | <20      | 0.27 |
| B280395            |                          | 1.51     | 90       | 2.66     | 619      | 1        | 3.49     | 116      | 2770     | 19       | 0.18     | <5       | 10       | 790      | <20      | 0.44 |
| B280396            |                          | 2.25     | 40       | 1.55     | 656      | 1        | 3.71     | 20       | 1340     | 57       | 0.23     | <5       | 10       | 1320     | <20      | 0.25 |
| B280397            |                          | 2.45     | 20       | 2.57     | 838      | 5        | 2.89     | 82       | 1320     | 252      | 1.16     | <5       | 19       | 547      | <20      | 0.63 |
| B280398            |                          | 2.17     | 50       | 1.63     | 708      | <1       | 3.61     | 25       | 1380     | 26       | 0.21     | <5       | 11       | 1210     | <20      | 0.28 |
| B280399            |                          | 2.14     | 50       | 1.53     | 694      | <1       | 3.76     | 21       | 1390     | 28       | 0.24     | <5       | 10       | 1265     | <20      | 0.27 |
| B280400            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| B280401            |                          | 2.49     | 50       | 1.54     | 667      | 1        | 3.71     | 19       | 1430     | 27       | 0.48     | <5       | 10       | 1145     | <20      | 0.27 |
| B280402            |                          | 1.68     | 50       | 1.45     | 615      | 1        | 4.06     | 21       | 1380     | 42       | 0.64     | <5       | 9        | 872      | <20      | 0.25 |
| B280403            |                          | 1.15     | 50       | 1.26     | 709      | <1       | 4.13     | 17       | 1370     | 24       | 1.19     | <5       | 9        | 1790     | <20      | 0.21 |
| B280404            |                          | 2.41     | 50       | 1.44     | 654      | 1        | 3.62     | 19       | 1400     | 30       | 0.06     | 6        | 9        | 1505     | <20      | 0.26 |
| B280405            |                          | 2.40     | 50       | 1.44     | 687      | <1       | 3.66     | 19       | 1400     | 33       | 0.05     | <5       | 9        | 1510     | <20      | 0.27 |
| B280406            |                          | 2.08     | 40       | 1.14     | 463      | 2        | 2.92     | 14       | 1100     | 42       | 0.55     | <5       | 7        | 694      | <20      | 0.19 |
| B280407            |                          | 2.48     | 50       | 1.40     | 630      | <1       | 3.50     | 18       | 1370     | 40       | 0.11     | <5       | 9        | 1365     | <20      | 0.26 |
| B280408            |                          | 2.50     | 40       | 1.33     | 591      | <1       | 3.47     | 16       | 1340     | 30       | 0.15     | <5       | 8        | 1060     | <20      | 0.25 |
| B280409            |                          | 2.76     | 30       | 1.14     | 710      | <1       | 3.33     | 16       | 1350     | 29       | 0.38     | <5       | 7        | 499      | <20      | 0.24 |
| B280410            |                          | 0.02     | 10       | 0.01     | 24       | <1       | 0.02     | 1        | 30       | <2       | 0.01     | <5       | <1       | 5        | <20      | 0.02 |
| B280411            |                          | 2.64     | 30       | 1.15     | 519      | <1       | 3.09     | 16       | 1340     | 36       | 0.71     | <5       | 7        | 296      | <20      | 0.23 |
| B280412            |                          | 2.50     | 40       | 1.05     | 518      | 2        | 3.57     | 18       | 1210     | 51       | 0.36     | <5       | 7        | 657      | <20      | 0.22 |
| B280413            |                          | 0.74     | 30       | 1.04     | 518      | <1       | 5.03     | 16       | 1130     | 32       | 1.92     | <5       | 7        | 455      | <20      | 0.17 |
| B280414            |                          | 0.78     | 40       | 1.32     | 666      | <1       | 4.98     | 17       | 1230     | 18       | 1.54     | <5       | 8        | 501      | <20      | 0.20 |
| B280415            |                          | 1.75     | 40       | 1.53     | 691      | <1       | 4.27     | 25       | 1380     | 30       | 0.66     | <5       | 8        | 693      | <20      | 0.20 |
| B280416            |                          | 0.34     | <10      | 14.80    | 1080     | <1       | 0.02     | 1360     | 80       | 8        | 0.01     | <5       | 19       | 122      | <20      | 0.07 |
| B280417            |                          | 0.88     | <10      | 13.80    | 1085     | <1       | 0.20     | 1245     | 120      | 13       | 0.17     | <5       | 18       | 518      | <20      | 0.10 |
| B280418            |                          | 1.38     | 50       | 2.02     | 721      | 55       | 4.75     | 104      | 1290     | 181      | 1.35     | <5       | 9        | 974      | <20      | 0.19 |
| B280419            |                          | 0.94     | <10      | 14.50    | 1125     | <1       | 0.02     | 1260     | 80       | 9        | 0.21     | <5       | 19       | 128      | <20      | 0.10 |
| B280420            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20066548**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| B280381            |                                   | <10      | <10      | 92       | <10      | 71       |
| B280382            |                                   | <10      | <10      | 83       | <10      | 65       |
| B280383            |                                   | <10      | <10      | 77       | <10      | 62       |
| B280384            |                                   | <10      | <10      | 87       | <10      | 69       |
| B280385            |                                   | <10      | <10      | 102      | <10      | 66       |
| B280386            |                                   | <10      | <10      | 106      | <10      | 66       |
| B280387            |                                   | <10      | <10      | 93       | <10      | 67       |
| B280388            |                                   | <10      | <10      | 107      | <10      | 72       |
| B280389            |                                   | <10      | <10      | 92       | <10      | 66       |
| B280390            |                                   | <10      | <10      | 2        | <10      | 3        |
| B280391            |                                   | <10      | <10      | 95       | <10      | 67       |
| B280392            |                                   | <10      | <10      | 98       | <10      | 69       |
| B280393            |                                   | <10      | <10      | 88       | <10      | 64       |
| B280394            |                                   | <10      | <10      | 94       | <10      | 68       |
| B280395            |                                   | <10      | <10      | 85       | <10      | 87       |
| B280396            |                                   | <10      | <10      | 90       | <10      | 68       |
| B280397            |                                   | <10      | <10      | 179      | <10      | 185      |
| B280398            |                                   | <10      | <10      | 99       | <10      | 74       |
| B280399            |                                   | <10      | <10      | 95       | <10      | 70       |
| B280400            |                                   |          |          |          |          |          |
| B280401            |                                   | <10      | <10      | 94       | <10      | 72       |
| B280402            |                                   | <10      | <10      | 88       | <10      | 71       |
| B280403            |                                   | <10      | <10      | 74       | <10      | 59       |
| B280404            |                                   | <10      | <10      | 92       | <10      | 69       |
| B280405            |                                   | <10      | <10      | 92       | <10      | 70       |
| B280406            |                                   | <10      | <10      | 80       | <10      | 63       |
| B280407            |                                   | <10      | <10      | 91       | <10      | 68       |
| B280408            |                                   | <10      | <10      | 88       | <10      | 68       |
| B280409            |                                   | <10      | <10      | 90       | <10      | 64       |
| B280410            |                                   | <10      | <10      | 2        | <10      | 4        |
| B280411            |                                   | <10      | <10      | 107      | 10       | 67       |
| B280412            |                                   | <10      | <10      | 84       | <10      | 54       |
| B280413            |                                   | <10      | <10      | 52       | <10      | 29       |
| B280414            |                                   | <10      | <10      | 60       | <10      | 30       |
| B280415            |                                   | <10      | <10      | 80       | <10      | 46       |
| B280416            |                                   | <10      | <10      | 113      | <10      | 69       |
| B280417            |                                   | <10      | <10      | 120      | <10      | 73       |
| B280418            |                                   | <10      | <10      | 102      | <10      | 79       |
| B280419            |                                   | <10      | <10      | 118      | <10      | 67       |
| B280420            |                                   |          |          |          |          |          |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Total # Pages: 7 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 15-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20066548**

| Sample Description | Method  | WEI-21    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|---------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    | Analyte | Recvd Wt. | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga       |
|                    | Units   | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      |
|                    | LOD     | 0.02      | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       |
| B280421            |         | 3.07      | <0.01   | <0.5     | 2.96     | <5       | 20       | <0.5     | 2        | 3.90     | <0.5     | 88       | 1510     | 52       | 6.58     | 10       |
| B280422            |         | 2.98      | <0.01   | 1.0      | 3.39     | <5       | 560      | 0.8      | 9        | 4.02     | <0.5     | 77       | 1330     | 74       | 6.45     | 10       |
| B280423            |         | 1.68      | <0.01   | <0.5     | 7.27     | <5       | 2710     | 2.2      | 4        | 1.65     | <0.5     | 11       | 46       | 95       | 2.35     | 20       |
| B280424            |         | 0.34      | 0.08    | 23.1     | 7.43     | <5       | 2360     | 2.5      | 119      | 1.81     | <0.5     | 10       | 40       | 144      | 2.14     | 20       |
| B280425            |         | 0.33      | 0.17    | 74.9     | 6.72     | <5       | 570      | 3.0      | 410      | 3.90     | 0.8      | 21       | 421      | 86       | 4.05     | 30       |
| B280426            |         | 0.46      | 0.16    | 56.9     | 5.87     | <5       | 450      | 1.8      | 284      | 4.81     | 0.9      | 15       | 242      | 58       | 2.59     | 20       |
| B280427            |         | 1.13      | <0.01   | <0.5     | 7.35     | <5       | 2490     | 2.2      | <2       | 1.72     | <0.5     | 11       | 41       | 61       | 2.35     | 20       |
| B280428            |         | 1.63      | <0.01   | <0.5     | 7.18     | <5       | 2520     | 2.0      | <2       | 2.31     | <0.5     | 11       | 48       | 34       | 2.49     | 20       |
| B280429            |         | 0.30      | 0.32    | 0.8      | 5.77     | <5       | 1590     | 4.1      | 4        | 3.06     | <0.5     | 36       | 512      | 18       | 4.33     | 20       |
| B280430            |         | 0.60      | <0.01   | <0.5     | 0.13     | <5       | 10       | <0.5     | <2       | 0.01     | <0.5     | <1       | 15       | 5        | 0.26     | <10      |
| B280431            |         | 2.10      | <0.01   | <0.5     | 3.61     | <5       | 310      | 1.3      | 3        | 5.10     | <0.5     | 60       | 864      | 35       | 4.34     | 10       |
| B280432            |         | 0.63      | 0.01    | <0.5     | 6.12     | <5       | 1330     | 1.2      | <2       | 1.14     | <0.5     | 3        | 23       | 32       | 1.18     | 20       |
| B280433            |         | 0.62      | 0.01    | <0.5     | 6.16     | <5       | 1190     | 1.3      | <2       | 1.00     | <0.5     | 3        | 18       | 36       | 0.97     | 20       |
| B280434            |         | 0.49      | <0.01   | <0.5     | 6.63     | <5       | 530      | 1.9      | 3        | 3.16     | <0.5     | 22       | 182      | 31       | 3.49     | 20       |
| B280435            |         | 0.70      | <0.01   | <0.5     | 5.95     | <5       | 560      | 1.7      | <2       | 0.61     | <0.5     | 4        | 13       | 27       | 0.81     | 20       |
| B280436            |         | 0.76      | 0.01    | <0.5     | 6.74     | <5       | 2660     | 1.7      | <2       | 2.56     | <0.5     | 11       | 41       | 42       | 2.44     | 20       |
| B280437            |         | 0.35      | 0.01    | 0.5      | 4.61     | <5       | 860      | 1.3      | 2        | 1.03     | <0.5     | 4        | 19       | 30       | 1.07     | 10       |
| B280438            |         | 1.13      | 0.02    | <0.5     | 5.56     | <5       | 140      | 2.9      | <2       | 0.32     | <0.5     | 1        | 7        | 33       | 0.52     | 20       |
| B280439            |         | 0.47      | <0.01   | <0.5     | 6.18     | <5       | 1010     | 1.8      | 2        | 1.11     | <0.5     | 4        | 18       | 16       | 1.10     | 20       |
| B280440            |         | 0.06      | 0.51    |          |          |          |          |          |          |          |          |          |          |          |          |          |
| B280441            |         | 0.57      | 4.82    | 57.5     | 6.24     | <5       | 590      | 1.5      | 160      | 2.93     | <0.5     | 14       | 37       | 42       | 2.39     | 20       |
| B280442            |         | 0.36      | 0.12    | 0.8      | 6.28     | <5       | 440      | 1.7      | 3        | 2.65     | <0.5     | 13       | 37       | 25       | 2.53     | 20       |
| B280443            |         | 0.36      | 0.01    | <0.5     | 6.94     | <5       | 2710     | 2.1      | <2       | 2.59     | <0.5     | 13       | 43       | 39       | 2.64     | 20       |
| B280444            |         | 1.42      | <0.01   | <0.5     | 7.69     | <5       | 2930     | 2.2      | 2        | 2.39     | <0.5     | 13       | 47       | 46       | 2.90     | 20       |
| B280445            |         | 1.91      | <0.01   | <0.5     | 7.93     | <5       | 2860     | 2.3      | 2        | 2.34     | <0.5     | 14       | 50       | 34       | 2.95     | 20       |
| B280446            |         | 0.77      | 0.48    | 1.2      | 6.86     | <5       | 2720     | 1.8      | 7        | 3.22     | <0.5     | 10       | 43       | 27       | 2.63     | 20       |
| B280447            |         | 1.99      | <0.01   | <0.5     | 7.59     | <5       | 2690     | 2.3      | <2       | 2.58     | <0.5     | 12       | 44       | 25       | 2.73     | 20       |
| B280448            |         | 1.52      | <0.01   | <0.5     | 7.56     | <5       | 2680     | 2.2      | <2       | 2.26     | <0.5     | 13       | 43       | 46       | 2.71     | 20       |
| B280449            |         | 1.88      | <0.01   | <0.5     | 6.81     | <5       | 2760     | 2.1      | <2       | 2.91     | <0.5     | 12       | 45       | 40       | 2.71     | 20       |
| B280450            |         | 0.48      | <0.01   | <0.5     | 0.14     | <5       | 10       | <0.5     | <2       | 0.01     | <0.5     | <1       | 7        | 7        | 0.26     | <10      |
| B280451            |         | 0.61      | <0.01   | <0.5     | 6.86     | <5       | 2720     | 2.6      | 2        | 5.07     | <0.5     | 21       | 162      | 28       | 3.87     | 20       |
| B280452            |         | 1.26      | 0.01    | 2.9      | 6.94     | <5       | 2580     | 2.2      | 15       | 2.53     | <0.5     | 12       | 51       | 64       | 2.63     | 20       |
| B280453            |         | 2.02      | 0.01    | <0.5     | 7.29     | <5       | 2690     | 2.3      | <2       | 2.69     | <0.5     | 12       | 49       | 51       | 2.72     | 20       |
| B280454            |         | 2.11      | <0.01   | <0.5     | 7.54     | <5       | 2670     | 2.3      | <2       | 2.27     | <0.5     | 13       | 46       | 61       | 2.70     | 20       |
| B280455            |         | 1.73      | <0.01   | <0.5     | 7.52     | <5       | 2670     | 2.3      | 2        | 2.43     | <0.5     | 12       | 44       | 29       | 2.71     | 20       |
| B280456            |         | 0.44      | <0.01   | 0.8      | 6.72     | <5       | 2030     | 2.1      | 3        | 2.08     | 0.5      | 8        | 32       | 49       | 1.98     | 20       |
| B280457            |         | 1.93      | <0.01   | 1.6      | 7.90     | <5       | 2750     | 2.6      | 5        | 2.25     | <0.5     | 12       | 47       | 77       | 2.75     | 20       |
| B280458            |         | 1.51      | <0.01   | <0.5     | 7.70     | <5       | 2610     | 2.4      | 2        | 2.35     | <0.5     | 13       | 45       | 93       | 2.74     | 20       |
| B280459            |         | 1.36      | <0.01   | <0.5     | 7.46     | <5       | 2760     | 2.3      | <2       | 2.49     | <0.5     | 12       | 45       | 21       | 2.73     | 20       |
| B280460            |         | 0.06      | 0.50    |          |          |          |          |          |          |          |          |          |          |          |          |          |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Finalized Date: 15-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20066548**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| B280421            |                          | 0.41     | <10      | 14.50    | 1095     | <1       | 0.01     | 1330     | 80       | 7        | 0.03     | <5       | 19       | 74       | <20      | 0.07 |
| B280422            |                          | 2.31     | <10      | 11.70    | 1130     | 1        | 0.14     | 1020     | 110      | 175      | 0.35     | <5       | 20       | 2440     | <20      | 0.16 |
| B280423            |                          | 2.20     | 40       | 1.20     | 448      | 2        | 3.91     | 25       | 960      | 86       | 0.28     | <5       | 7        | 1250     | <20      | 0.18 |
| B280424            |                          | 1.62     | 30       | 0.99     | 425      | 1        | 4.75     | 20       | 860      | 2350     | 0.62     | <5       | 6        | 1185     | <20      | 0.17 |
| B280425            |                          | 2.10     | 20       | 4.05     | 1355     | 1730     | 2.86     | 356      | 600      | 7240     | 1.47     | <5       | 16       | 3130     | <20      | 0.28 |
| B280426            |                          | 0.97     | 30       | 2.70     | 1515     | 510      | 3.62     | 183      | 700      | 5250     | 1.37     | <5       | 12       | 2340     | <20      | 0.15 |
| B280427            |                          | 2.59     | 30       | 1.16     | 475      | 3        | 3.88     | 21       | 930      | 67       | 0.36     | <5       | 7        | 1480     | <20      | 0.17 |
| B280428            |                          | 2.37     | 30       | 1.20     | 547      | 2        | 3.94     | 27       | 1000     | 46       | 0.33     | <5       | 7        | 1655     | <20      | 0.18 |
| B280429            |                          | 0.60     | 20       | 6.72     | 792      | <1       | 2.73     | 601      | 480      | 22       | 0.73     | <5       | 12       | 847      | <20      | 0.10 |
| B280430            |                          | 0.01     | 10       | 0.02     | 26       | <1       | 0.01     | 4        | 20       | 2        | <0.01    | <5       | <1       | 7        | <20      | 0.02 |
| B280431            |                          | 0.72     | 10       | 10.25    | 1095     | <1       | 0.87     | 1000     | 230      | 24       | 0.24     | <5       | 13       | 373      | <20      | 0.07 |
| B280432            |                          | 0.97     | 20       | 0.56     | 228      | 1        | 4.37     | 14       | 420      | 22       | 0.38     | <5       | 3        | 911      | <20      | 0.07 |
| B280433            |                          | 1.23     | 10       | 0.49     | 202      | 1        | 4.29     | 7        | 360      | 33       | 0.41     | <5       | 2        | 824      | <20      | 0.06 |
| B280434            |                          | 0.92     | 30       | 2.62     | 612      | 1        | 4.17     | 55       | 1200     | 25       | 0.34     | <5       | 13       | 685      | <20      | 0.25 |
| B280435            |                          | 0.88     | 10       | 0.27     | 122      | 5        | 4.64     | 5        | 200      | 41       | 0.56     | <5       | 1        | 659      | <20      | 0.04 |
| B280436            |                          | 2.15     | 30       | 1.19     | 584      | 1        | 4.20     | 20       | 1070     | 51       | 0.65     | <5       | 7        | 1725     | <20      | 0.17 |
| B280437            |                          | 0.70     | 20       | 0.39     | 227      | 3        | 3.16     | 9        | 390      | 44       | 0.36     | <5       | 3        | 1075     | <20      | 0.07 |
| B280438            |                          | 0.70     | 10       | 0.03     | 53       | <1       | 4.60     | 4        | 40       | 52       | 0.25     | <5       | <1       | 497      | 20       | 0.02 |
| B280439            |                          | 0.28     | 20       | 0.37     | 223      | <1       | 4.87     | 8        | 400      | 58       | 0.74     | <5       | 2        | 1080     | <20      | 0.06 |
| B280440            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| B280441            |                          | 0.94     | 30       | 1.12     | 543      | 1        | 4.34     | 24       | 1220     | 3270     | 1.85     | <5       | 6        | 1665     | <20      | 0.11 |
| B280442            |                          | 1.15     | 30       | 1.16     | 523      | 46       | 4.04     | 22       | 1090     | 131      | 1.87     | <5       | 7        | 1395     | <20      | 0.12 |
| B280443            |                          | 2.67     | 30       | 1.27     | 616      | <1       | 3.90     | 23       | 1130     | 37       | 0.39     | <5       | 7        | 1700     | <20      | 0.19 |
| B280444            |                          | 2.81     | 40       | 1.41     | 614      | 1        | 3.63     | 24       | 1200     | 53       | 0.30     | 5        | 9        | 1975     | <20      | 0.21 |
| B280445            |                          | 2.54     | 40       | 1.38     | 559      | 1        | 4.11     | 25       | 1250     | 58       | 0.65     | <5       | 9        | 2060     | <20      | 0.20 |
| B280446            |                          | 2.13     | 30       | 1.20     | 615      | <1       | 4.01     | 21       | 1150     | 124      | 0.64     | <5       | 7        | 2080     | <20      | 0.21 |
| B280447            |                          | 2.49     | 30       | 1.32     | 605      | <1       | 3.87     | 23       | 1120     | 32       | 0.15     | <5       | 8        | 1780     | <20      | 0.21 |
| B280448            |                          | 2.72     | 40       | 1.25     | 533      | <1       | 3.71     | 23       | 1110     | 36       | 0.26     | <5       | 8        | 1715     | <20      | 0.20 |
| B280449            |                          | 2.53     | 30       | 1.23     | 602      | <1       | 3.93     | 23       | 1120     | 35       | 0.51     | <5       | 7        | 1975     | <20      | 0.21 |
| B280450            |                          | 0.01     | 10       | <0.01    | 23       | <1       | 0.01     | 2        | 30       | <2       | <0.01    | <5       | <1       | 6        | <20      | 0.02 |
| B280451            |                          | 1.33     | 40       | 2.73     | 1050     | <1       | 3.29     | 55       | 1440     | 29       | 0.51     | <5       | 15       | 3360     | <20      | 0.31 |
| B280452            |                          | 2.54     | 30       | 1.32     | 589      | <1       | 3.39     | 24       | 1070     | 612      | 0.23     | <5       | 8        | 1845     | <20      | 0.20 |
| B280453            |                          | 2.47     | 40       | 1.30     | 609      | <1       | 3.81     | 23       | 1100     | 32       | 0.19     | <5       | 8        | 1875     | <20      | 0.21 |
| B280454            |                          | 2.20     | 40       | 1.31     | 575      | <1       | 4.13     | 24       | 1130     | 32       | 0.49     | <5       | 8        | 1760     | <20      | 0.22 |
| B280455            |                          | 2.51     | 40       | 1.27     | 586      | <1       | 3.91     | 22       | 1100     | 29       | 0.16     | <5       | 8        | 1645     | <20      | 0.21 |
| B280456            |                          | 1.92     | 30       | 0.90     | 442      | 1        | 3.60     | 17       | 780      | 159      | 0.30     | <5       | 6        | 1315     | 20       | 0.15 |
| B280457            |                          | 1.90     | 40       | 1.29     | 577      | 1        | 4.63     | 21       | 1120     | 193      | 0.70     | <5       | 8        | 1795     | <20      | 0.22 |
| B280458            |                          | 2.28     | 40       | 1.31     | 583      | 9        | 4.13     | 24       | 1130     | 47       | 0.37     | <5       | 8        | 1635     | <20      | 0.21 |
| B280459            |                          | 2.59     | 40       | 1.32     | 609      | 1        | 3.98     | 22       | 1120     | 28       | 0.08     | <5       | 8        | 1690     | <20      | 0.22 |
| B280460            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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**CERTIFICATE OF ANALYSIS TM20066548**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| B280421            |                                   | <10      | <10      | 116      | <10      | 58       |
| B280422            |                                   | <10      | <10      | 149      | <10      | 86       |
| B280423            |                                   | <10      | <10      | 64       | <10      | 57       |
| B280424            |                                   | <10      | <10      | 54       | <10      | 49       |
| B280425            |                                   | <10      | <10      | 209      | <10      | 91       |
| B280426            |                                   | <10      | <10      | 102      | <10      | 52       |
| B280427            |                                   | <10      | <10      | 62       | <10      | 43       |
| B280428            |                                   | <10      | <10      | 64       | <10      | 47       |
| B280429            |                                   | <10      | <10      | 97       | <10      | 132      |
| B280430            |                                   | <10      | <10      | 2        | <10      | 3        |
| B280431            |                                   | <10      | <10      | 97       | <10      | 205      |
| B280432            |                                   | <10      | <10      | 22       | <10      | 14       |
| B280433            |                                   | <10      | <10      | 18       | <10      | 13       |
| B280434            |                                   | <10      | <10      | 113      | <10      | 90       |
| B280435            |                                   | <10      | <10      | 10       | <10      | 9        |
| B280436            |                                   | <10      | <10      | 63       | <10      | 38       |
| B280437            |                                   | <10      | <10      | 24       | <10      | 14       |
| B280438            |                                   | <10      | <10      | 3        | <10      | 5        |
| B280439            |                                   | <10      | <10      | 20       | <10      | 13       |
| B280440            |                                   |          |          |          |          |          |
| B280441            |                                   | <10      | <10      | 49       | <10      | 34       |
| B280442            |                                   | <10      | <10      | 63       | <10      | 38       |
| B280443            |                                   | <10      | <10      | 72       | <10      | 55       |
| B280444            |                                   | <10      | <10      | 81       | <10      | 72       |
| B280445            |                                   | <10      | <10      | 89       | <10      | 75       |
| B280446            |                                   | <10      | <10      | 72       | 10       | 64       |
| B280447            |                                   | <10      | <10      | 73       | <10      | 64       |
| B280448            |                                   | <10      | <10      | 77       | <10      | 65       |
| B280449            |                                   | <10      | <10      | 75       | <10      | 63       |
| B280450            |                                   | <10      | <10      | 2        | <10      | 4        |
| B280451            |                                   | <10      | <10      | 121      | <10      | 109      |
| B280452            |                                   | <10      | <10      | 73       | <10      | 61       |
| B280453            |                                   | <10      | <10      | 74       | <10      | 64       |
| B280454            |                                   | <10      | <10      | 72       | <10      | 63       |
| B280455            |                                   | <10      | <10      | 71       | <10      | 63       |
| B280456            |                                   | <10      | <10      | 51       | <10      | 47       |
| B280457            |                                   | <10      | <10      | 70       | <10      | 61       |
| B280458            |                                   | <10      | <10      | 72       | <10      | 64       |
| B280459            |                                   | <10      | <10      | 72       | <10      | 65       |
| B280460            |                                   |          |          |          |          |          |





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Plus Appendix Pages  
 Finalized Date: 15-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20066548**

| Sample Description | Method  | WEI-21    | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|---------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    | Analyte | Recvd Wt. | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga       |
|                    | Units   | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      |
|                    | LOD     | 0.02      | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       |
| B280461            |         | 1.56      | 0.01    | 1.1      | 7.29     | <5       | 2490     | 2.3      | 6        | 2.23     | <0.5     | 12       | 42       | 57       | 2.53     | 20       |
| B280462            |         | 0.36      | 0.02    | 1.9      | 6.83     | <5       | 2120     | 2.1      | 9        | 1.73     | <0.5     | 12       | 39       | 286      | 2.76     | 20       |
| B280463            |         | 2.24      | <0.01   | <0.5     | 7.95     | <5       | 2880     | 2.5      | <2       | 2.47     | <0.5     | 13       | 49       | 41       | 2.95     | 20       |
| B280464            |         | 2.20      | <0.01   | <0.5     | 7.83     | <5       | 2840     | 2.3      | <2       | 2.49     | <0.5     | 13       | 48       | 47       | 2.84     | 20       |
| B280465            |         | 0.30      | <0.01   | <0.5     | 6.62     | <5       | 2080     | 1.9      | <2       | 2.09     | <0.5     | 15       | 41       | 325      | 2.94     | 20       |
| B280466            |         | 1.51      | <0.01   | <0.5     | 7.75     | <5       | 2920     | 2.3      | 3        | 2.66     | <0.5     | 13       | 47       | 56       | 2.86     | 20       |
| B280467            |         | 0.35      | 0.01    | 0.8      | 7.33     | <5       | 1010     | 2.2      | 2        | 2.47     | <0.5     | 14       | 45       | 41       | 2.70     | 20       |
| B280468            |         | 0.76      | <0.01   | <0.5     | 7.38     | <5       | 2770     | 2.4      | <2       | 2.70     | <0.5     | 13       | 53       | 40       | 2.95     | 20       |
| B280469            |         | 0.96      | <0.01   | <0.5     | 7.65     | <5       | 2900     | 2.4      | 2        | 2.89     | <0.5     | 14       | 51       | 42       | 3.08     | 20       |
| B280470            |         | 0.46      | 0.01    | <0.5     | 0.16     | <5       | 10       | <0.5     | <2       | 0.01     | <0.5     | <1       | 8        | 4        | 0.29     | <10      |
| B280471            |         | 1.74      | <0.01   | <0.5     | 7.34     | <5       | 2450     | 2.0      | <2       | 2.48     | <0.5     | 14       | 50       | 30       | 2.88     | 20       |
| B280472            |         | 2.16      | <0.01   | <0.5     | 7.41     | <5       | 2590     | 2.4      | 2        | 2.60     | <0.5     | 13       | 54       | 13       | 2.86     | 20       |
| B280473            |         | 1.93      | 0.01    | <0.5     | 7.59     | <5       | 2600     | 2.4      | <2       | 2.64     | <0.5     | 13       | 49       | 17       | 2.86     | 20       |
| B280474            |         | 1.91      | <0.01   | <0.5     | 7.53     | <5       | 2450     | 2.4      | <2       | 2.33     | <0.5     | 12       | 48       | 28       | 2.74     | 20       |
| B280475            |         | 1.92      | <0.01   | <0.5     | 7.42     | <5       | 2500     | 2.2      | <2       | 2.56     | <0.5     | 12       | 45       | 29       | 2.68     | 20       |
| B280476            |         | 2.06      | 0.06    | <0.5     | 7.73     | <5       | 2560     | 2.5      | 2        | 2.52     | <0.5     | 12       | 48       | 28       | 2.81     | 20       |
| B280477            |         | 1.17      | <0.01   | <0.5     | 7.60     | <5       | 2580     | 2.4      | <2       | 2.48     | <0.5     | 12       | 47       | 57       | 2.78     | 20       |
| B280478            |         | 1.06      | <0.01   | <0.5     | 6.99     | <5       | 2550     | 2.1      | 2        | 2.59     | <0.5     | 11       | 42       | 47       | 2.46     | 20       |
| B280479            |         | 0.37      | 0.06    | 0.7      | 6.30     | <5       | 2170     | 2.0      | <2       | 2.24     | <0.5     | 10       | 44       | 69       | 2.33     | 20       |
| B280480            |         | 0.06      | 0.51    |          |          |          |          |          |          |          |          |          |          |          |          |          |
| B280481            |         | 0.38      | 0.01    | <0.5     | 6.72     | <5       | 2380     | 2.3      | 3        | 2.81     | <0.5     | 12       | 41       | 69       | 2.46     | 20       |
| B280482            |         | 1.75      | <0.01   | <0.5     | 7.58     | <5       | 2740     | 2.4      | 2        | 2.45     | <0.5     | 12       | 48       | 60       | 2.73     | 20       |
| B280483            |         | 1.58      | 0.01    | 1.7      | 6.79     | <5       | 2750     | 1.9      | 8        | 2.49     | <0.5     | 11       | 42       | 67       | 2.50     | 20       |
| B280484            |         | 0.51      | <0.01   | <0.5     | 6.98     | <5       | 2320     | 2.2      | <2       | 2.47     | <0.5     | 12       | 47       | 56       | 2.58     | 20       |
| B280485            |         | 2.09      | <0.01   | <0.5     | 7.50     | <5       | 2620     | 2.3      | <2       | 2.46     | <0.5     | 12       | 45       | 38       | 2.68     | 20       |
| B280486            |         | 2.11      | <0.01   | <0.5     | 7.72     | <5       | 2600     | 2.3      | <2       | 2.36     | <0.5     | 13       | 45       | 44       | 2.73     | 20       |
| B280487            |         | 0.47      | 0.03    | 1.1      | 6.39     | <5       | 2170     | 2.3      | 4        | 2.76     | <0.5     | 12       | 39       | 55       | 2.40     | 20       |
| B280488            |         | 0.68      | 0.02    | <0.5     | 6.63     | <5       | 2350     | 2.6      | <2       | 2.66     | <0.5     | 11       | 43       | 35       | 2.47     | 20       |
| B280489            |         | 1.17      | 0.01    | <0.5     | 7.04     | <5       | 2260     | 2.6      | <2       | 2.70     | <0.5     | 11       | 46       | 60       | 2.52     | 20       |
| B280490            |         | 0.34      | <0.01   | <0.5     | 0.18     | <5       | 10       | <0.5     | <2       | 0.01     | <0.5     | <1       | 8        | 6        | 0.20     | <10      |
| B280491            |         | 0.52      | 0.88    | 15.0     | 6.93     | <5       | 1800     | 2.3      | 53       | 2.73     | <0.5     | 15       | 42       | 52       | 2.55     | 20       |
| B280492            |         | 1.19      | 0.01    | <0.5     | 7.25     | <5       | 2400     | 2.2      | <2       | 2.52     | <0.5     | 11       | 46       | 41       | 2.71     | 20       |
| B280493            |         | 0.42      | 0.26    | <0.5     | 6.95     | <5       | 2060     | 1.9      | 3        | 2.45     | <0.5     | 12       | 40       | 21       | 2.50     | 20       |
| B280494            |         | 0.74      | 0.01    | <0.5     | 7.56     | <5       | 2370     | 2.2      | <2       | 2.44     | <0.5     | 12       | 45       | 31       | 2.65     | 20       |
| B280495            |         | 1.39      | 0.01    | <0.5     | 7.37     | <5       | 2210     | 2.2      | <2       | 2.48     | <0.5     | 11       | 46       | 45       | 2.55     | 20       |
| B280496            |         | 1.78      | 0.01    | <0.5     | 7.51     | <5       | 2300     | 2.0      | <2       | 2.36     | <0.5     | 12       | 43       | 32       | 2.57     | 20       |
| B280497            |         | 1.81      | <0.01   | <0.5     | 7.67     | <5       | 2330     | 1.9      | <2       | 2.37     | <0.5     | 12       | 44       | 20       | 2.58     | 20       |
| B280498            |         | 0.86      | <0.01   | <0.5     | 7.88     | <5       | 2290     | 2.2      | 2        | 2.34     | <0.5     | 12       | 44       | 42       | 2.67     | 20       |
| B280499            |         | 0.87      | <0.01   | <0.5     | 7.55     | <5       | 2200     | 2.2      | 2        | 2.20     | <0.5     | 11       | 44       | 45       | 2.51     | 20       |
| B280500            |         | 0.06      | 0.51    |          |          |          |          |          |          |          |          |          |          |          |          |          |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Finalized Date: 15-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20066548**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| B280461            |                          | 2.22     | 40       | 1.20     | 555      | 3        | 3.95     | 20       | 1020     | 151      | 0.41     | <5       | 8        | 1540     | <20      | 0.20 |
| B280462            |                          | 2.00     | 40       | 1.09     | 491      | 7        | 3.76     | 22       | 940      | 209      | 1.12     | <5       | 7        | 1460     | <20      | 0.18 |
| B280463            |                          | 2.36     | 40       | 1.41     | 626      | <1       | 4.37     | 25       | 1210     | 52       | 0.27     | <5       | 9        | 1755     | <20      | 0.23 |
| B280464            |                          | 2.24     | 40       | 1.41     | 609      | <1       | 4.21     | 25       | 1170     | 44       | 0.37     | <5       | 9        | 1870     | <20      | 0.23 |
| B280465            |                          | 2.10     | 40       | 1.19     | 494      | 1        | 3.32     | 22       | 1000     | 64       | 0.95     | <5       | 7        | 1900     | <20      | 0.19 |
| B280466            |                          | 2.13     | 40       | 1.38     | 621      | <1       | 4.41     | 24       | 1190     | 48       | 0.70     | <5       | 8        | 1930     | <20      | 0.20 |
| B280467            |                          | 0.82     | 40       | 1.24     | 498      | 196      | 4.98     | 23       | 1180     | 75       | 1.58     | <5       | 8        | 2500     | <20      | 0.14 |
| B280468            |                          | 2.43     | 40       | 1.43     | 611      | 1        | 3.87     | 29       | 1240     | 45       | 0.24     | <5       | 9        | 1815     | <20      | 0.22 |
| B280469            |                          | 2.47     | 40       | 1.46     | 650      | 1        | 4.07     | 26       | 1300     | 73       | 0.34     | <5       | 9        | 1940     | <20      | 0.22 |
| B280470            |                          | 0.02     | 10       | 0.01     | 25       | <1       | 0.01     | 2        | 30       | <2       | <0.01    | <5       | <1       | 7        | <20      | 0.02 |
| B280471            |                          | 2.76     | 30       | 1.31     | 583      | <1       | 3.50     | 24       | 1190     | 32       | 0.11     | <5       | 8        | 1565     | <20      | 0.21 |
| B280472            |                          | 2.53     | 40       | 1.39     | 592      | <1       | 3.67     | 31       | 1160     | 37       | 0.14     | 5        | 8        | 1815     | <20      | 0.21 |
| B280473            |                          | 2.46     | 40       | 1.37     | 600      | <1       | 3.73     | 22       | 1160     | 29       | 0.13     | <5       | 8        | 1790     | <20      | 0.21 |
| B280474            |                          | 2.70     | 40       | 1.34     | 575      | <1       | 3.66     | 24       | 1090     | 27       | 0.09     | <5       | 8        | 1645     | <20      | 0.21 |
| B280475            |                          | 2.66     | 30       | 1.30     | 564      | <1       | 3.50     | 21       | 1080     | 32       | 0.14     | <5       | 8        | 1770     | <20      | 0.21 |
| B280476            |                          | 2.71     | 40       | 1.36     | 602      | <1       | 3.74     | 23       | 1110     | 36       | 0.08     | <5       | 8        | 1750     | <20      | 0.22 |
| B280477            |                          | 2.47     | 40       | 1.34     | 566      | 2        | 4.05     | 24       | 1120     | 31       | 0.33     | <5       | 8        | 1825     | <20      | 0.21 |
| B280478            |                          | 2.31     | 30       | 1.15     | 534      | <1       | 3.59     | 21       | 970      | 33       | 0.27     | <5       | 7        | 1745     | <20      | 0.18 |
| B280479            |                          | 1.63     | 30       | 1.03     | 509      | 718      | 3.51     | 25       | 870      | 122      | 0.71     | <5       | 7        | 1690     | <20      | 0.16 |
| B280480            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| B280481            |                          | 1.49     | 30       | 1.10     | 630      | 143      | 4.29     | 22       | 990      | 47       | 0.92     | <5       | 7        | 1795     | <20      | 0.15 |
| B280482            |                          | 2.69     | 40       | 1.37     | 603      | 2        | 3.83     | 25       | 1140     | 42       | 0.30     | <5       | 8        | 1810     | <20      | 0.20 |
| B280483            |                          | 1.96     | 30       | 1.19     | 577      | 18       | 4.27     | 21       | 1050     | 203      | 0.90     | <5       | 7        | 2510     | <20      | 0.14 |
| B280484            |                          | 2.21     | 30       | 1.22     | 569      | 149      | 3.83     | 26       | 1030     | 62       | 0.63     | <5       | 7        | 1555     | <20      | 0.18 |
| B280485            |                          | 2.57     | 30       | 1.31     | 586      | <1       | 3.79     | 23       | 1070     | 38       | 0.20     | <5       | 8        | 1665     | <20      | 0.21 |
| B280486            |                          | 2.55     | 40       | 1.30     | 580      | <1       | 3.90     | 24       | 1050     | 58       | 0.33     | <5       | 8        | 1855     | <20      | 0.20 |
| B280487            |                          | 2.08     | 30       | 1.14     | 554      | 1        | 3.65     | 20       | 960      | 132      | 0.98     | <5       | 7        | 1710     | <20      | 0.17 |
| B280488            |                          | 2.42     | 30       | 1.17     | 573      | <1       | 3.34     | 21       | 980      | 38       | 0.56     | <5       | 7        | 1570     | <20      | 0.19 |
| B280489            |                          | 2.92     | 30       | 1.22     | 602      | <1       | 3.52     | 25       | 1070     | 28       | 0.38     | <5       | 7        | 1580     | <20      | 0.20 |
| B280490            |                          | 0.02     | 10       | 0.01     | 19       | <1       | 0.02     | 2        | 20       | <2       | <0.01    | <5       | <1       | 9        | <20      | 0.02 |
| B280491            |                          | 2.18     | 30       | 1.23     | 557      | 1275     | 3.75     | 22       | 1180     | 1120     | 1.25     | <5       | 7        | 2010     | <20      | 0.18 |
| B280492            |                          | 2.58     | 30       | 1.32     | 584      | 3        | 3.56     | 24       | 1100     | 37       | 0.12     | <5       | 8        | 1540     | <20      | 0.21 |
| B280493            |                          | 1.92     | 30       | 1.20     | 528      | 1        | 3.76     | 20       | 990      | 40       | 0.64     | <5       | 7        | 1375     | <20      | 0.17 |
| B280494            |                          | 2.24     | 40       | 1.28     | 565      | 1        | 3.84     | 22       | 1050     | 30       | 0.22     | <5       | 8        | 1505     | <20      | 0.19 |
| B280495            |                          | 2.47     | 30       | 1.21     | 528      | <1       | 3.92     | 22       | 1000     | 36       | 0.24     | <5       | 7        | 1525     | <20      | 0.19 |
| B280496            |                          | 2.61     | 30       | 1.27     | 546      | 1        | 3.66     | 22       | 1020     | 42       | 0.14     | <5       | 8        | 1600     | <20      | 0.20 |
| B280497            |                          | 2.72     | 40       | 1.28     | 540      | <1       | 3.71     | 23       | 1010     | 27       | 0.03     | <5       | 8        | 1600     | <20      | 0.21 |
| B280498            |                          | 2.62     | 40       | 1.30     | 559      | 1        | 3.86     | 22       | 1060     | 42       | 0.21     | <5       | 8        | 1730     | <20      | 0.21 |
| B280499            |                          | 2.62     | 30       | 1.22     | 535      | <1       | 3.74     | 21       | 990      | 46       | 0.23     | <5       | 7        | 1700     | <20      | 0.20 |
| B280500            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20066548**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| B280461            |                                   | <10      | <10      | 65       | <10      | 59       |
| B280462            |                                   | <10      | <10      | 66       | <10      | 59       |
| B280463            |                                   | <10      | <10      | 78       | <10      | 68       |
| B280464            |                                   | <10      | <10      | 74       | <10      | 65       |
| B280465            |                                   | <10      | <10      | 67       | <10      | 66       |
| B280466            |                                   | <10      | <10      | 74       | <10      | 67       |
| B280467            |                                   | <10      | <10      | 71       | <10      | 65       |
| B280468            |                                   | <10      | <10      | 82       | <10      | 71       |
| B280469            |                                   | <10      | <10      | 85       | <10      | 75       |
| B280470            |                                   | <10      | <10      | 2        | <10      | 2        |
| B280471            |                                   | <10      | <10      | 81       | <10      | 65       |
| B280472            |                                   | <10      | <10      | 78       | <10      | 64       |
| B280473            |                                   | <10      | <10      | 77       | <10      | 63       |
| B280474            |                                   | <10      | <10      | 74       | <10      | 64       |
| B280475            |                                   | <10      | <10      | 73       | <10      | 63       |
| B280476            |                                   | <10      | <10      | 74       | <10      | 66       |
| B280477            |                                   | <10      | <10      | 76       | <10      | 67       |
| B280478            |                                   | <10      | <10      | 70       | <10      | 62       |
| B280479            |                                   | <10      | <10      | 60       | <10      | 61       |
| B280480            |                                   | <10      | <10      | 60       | <10      | 61       |
| B280481            |                                   | <10      | <10      | 65       | <10      | 57       |
| B280482            |                                   | <10      | <10      | 77       | <10      | 71       |
| B280483            |                                   | <10      | <10      | 70       | <10      | 58       |
| B280484            |                                   | <10      | <10      | 71       | <10      | 61       |
| B280485            |                                   | <10      | <10      | 72       | <10      | 63       |
| B280486            |                                   | <10      | <10      | 71       | <10      | 64       |
| B280487            |                                   | <10      | <10      | 69       | <10      | 56       |
| B280488            |                                   | <10      | <10      | 72       | <10      | 59       |
| B280489            |                                   | <10      | <10      | 76       | <10      | 66       |
| B280490            |                                   | <10      | <10      | 2        | <10      | 4        |
| B280491            |                                   | <10      | <10      | 79       | <10      | 58       |
| B280492            |                                   | <10      | <10      | 72       | <10      | 66       |
| B280493            |                                   | <10      | <10      | 62       | <10      | 52       |
| B280494            |                                   | <10      | <10      | 71       | <10      | 61       |
| B280495            |                                   | <10      | <10      | 69       | <10      | 63       |
| B280496            |                                   | <10      | <10      | 68       | <10      | 61       |
| B280497            |                                   | <10      | <10      | 68       | <10      | 59       |
| B280498            |                                   | <10      | <10      | 70       | <10      | 64       |
| B280499            |                                   | <10      | <10      | 67       | <10      | 62       |
| B280500            |                                   | <10      | <10      | 67       | <10      | 62       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Total # Pages: 7 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 15-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20066548**

| Sample Description | Method Analyte Units LOD | WEI-21       | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|--------------------------|--------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    |                          | Recvd Wt. kg | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   |
|                    |                          | 0.02         | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 0.01     | 10       |          |
| B280501            |                          | 0.39         | 0.01    | <0.5     | 6.67     | <5       | 1900     | 2.1      | <2       | 2.51     | <0.5     | 10       | 46       | 130      | 2.42     | 20       |
| B280502            |                          | 0.58         | 0.08    | <0.5     | 6.45     | <5       | 1900     | 2.0      | 2        | 2.31     | <0.5     | 9        | 35       | 43       | 2.04     | 20       |
| B280503            |                          | 2.40         | 0.01    | <0.5     | 8.18     | <5       | 2350     | 2.9      | <2       | 2.09     | <0.5     | 10       | 43       | 40       | 2.25     | 20       |
| B280504            |                          | 1.28         | 0.02    | <0.5     | 6.33     | <5       | 900      | 2.6      | <2       | 0.83     | <0.5     | 3        | 20       | 34       | 1.04     | 20       |
| B280505            |                          | 0.46         | 0.12    | <0.5     | 6.92     | <5       | 1660     | 2.3      | <2       | 1.66     | <0.5     | 7        | 28       | 23       | 1.74     | 20       |
| B280506            |                          | 0.49         | 0.01    | <0.5     | 6.82     | <5       | 360      | 2.5      | <2       | 0.41     | <0.5     | 1        | 10       | 18       | 0.63     | 20       |
| B280507            |                          | 1.13         | <0.01   | <0.5     | 7.68     | <5       | 2000     | 2.9      | <2       | 1.76     | <0.5     | 9        | 40       | 32       | 1.95     | 20       |
| B280508            |                          | 0.36         | 0.11    | 4.0      | 6.39     | <5       | 1920     | 1.9      | 15       | 2.01     | <0.5     | 8        | 36       | 41       | 1.74     | 20       |
| B280509            |                          | 0.67         | 0.36    | 3.3      | 6.45     | <5       | 1130     | 1.7      | 15       | 1.40     | <0.5     | 6        | 26       | 21       | 1.35     | 20       |
| B280510            |                          | 0.53         | <0.01   | <0.5     | 0.19     | <5       | 10       | <0.5     | <2       | <0.01    | <0.5     | <1       | 16       | 6        | 0.24     | <10      |
| B280511            |                          | 0.82         | 0.01    | <0.5     | 7.90     | <5       | 2480     | 2.6      | <2       | 1.64     | <0.5     | 9        | 39       | 26       | 2.09     | 20       |
| B280512            |                          | 0.72         | 0.02    | 2.5      | 7.45     | <5       | 2280     | 2.3      | 9        | 1.67     | <0.5     | 8        | 33       | 32       | 1.72     | 20       |
| B280513            |                          | 1.26         | 0.02    | 0.5      | 7.44     | <5       | 2260     | 2.3      | 2        | 1.67     | <0.5     | 8        | 39       | 43       | 1.85     | 20       |
| B280514            |                          | 0.74         | 0.21    | 1.0      | 6.61     | <5       | 1120     | 1.9      | 6        | 1.83     | <0.5     | 9        | 35       | 30       | 1.78     | 20       |
| B280515            |                          | 0.61         | 0.12    | 1.3      | 6.64     | <5       | 2510     | 2.2      | 3        | 2.66     | <0.5     | 10       | 51       | 92       | 2.24     | 20       |
| B280516            |                          | 3.43         | <0.01   | <0.5     | 8.11     | <5       | 2450     | 3.1      | <2       | 2.34     | <0.5     | 11       | 58       | 53       | 2.37     | 20       |
| B280517            |                          | 0.95         | <0.01   | <0.5     | 6.87     | <5       | 2570     | 1.8      | 5        | 4.56     | <0.5     | 25       | 135      | 47       | 3.94     | 20       |
| B280518            |                          | 2.18         | <0.01   | <0.5     | 3.30     | <5       | 350      | 1.3      | 5        | 3.65     | 0.5      | 88       | 1415     | 46       | 6.26     | 10       |
| B280519            |                          | 1.85         | <0.01   | <0.5     | 2.86     | <5       | 190      | 1.2      | 4        | 4.60     | <0.5     | 79       | 1325     | 36       | 6.24     | 10       |
| B280520            |                          | 0.06         | 0.51    |          |          |          |          |          |          |          |          |          |          |          |          |          |
| B280521            |                          | 1.74         | 0.01    | <0.5     | 7.55     | <5       | 1890     | 2.3      | 2        | 2.48     | <0.5     | 14       | 122      | 38       | 2.27     | 20       |
| B280522            |                          | 0.47         | 0.01    | <0.5     | 8.56     | <5       | 2350     | 1.5      | <2       | 1.78     | <0.5     | 11       | 41       | 38       | 1.97     | 20       |
| B280523            |                          | 1.37         | <0.01   | <0.5     | 8.30     | <5       | 2490     | 2.7      | 2        | 2.10     | <0.5     | 9        | 45       | 38       | 2.12     | 20       |
| B280524            |                          | 0.51         | 0.01    | <0.5     | 6.94     | <5       | 1900     | 1.9      | <2       | 2.10     | <0.5     | 11       | 38       | 44       | 2.03     | 20       |
| B280525            |                          | 1.92         | <0.01   | <0.5     | 7.79     | <5       | 2480     | 2.9      | <2       | 2.06     | <0.5     | 8        | 38       | 23       | 1.92     | 20       |
| B280526            |                          | 0.47         | <0.01   | <0.5     | 7.65     | <5       | 2260     | 3.3      | <2       | 2.40     | <0.5     | 9        | 62       | 17       | 2.05     | 20       |
| B280527            |                          | 0.48         | <0.01   | <0.5     | 8.00     | <5       | 1820     | 2.6      | <2       | 1.90     | <0.5     | 9        | 43       | 28       | 1.93     | 20       |
| B280528            |                          | 0.44         | <0.01   | <0.5     | 3.73     | <5       | 190      | 1.9      | 3        | 3.65     | 0.5      | 74       | 1020     | 27       | 6.10     | 20       |
| B280529            |                          | 2.69         | 0.01    | <0.5     | 2.82     | <5       | 160      | 1.5      | 6        | 4.65     | 0.5      | 78       | 1310     | 50       | 6.31     | 20       |
| B280530            |                          | 0.62         | <0.01   | <0.5     | 0.26     | <5       | <10      | <0.5     | <2       | 0.04     | <0.5     | 1        | 30       | 8        | 0.29     | <10      |
| B280531            |                          | 0.77         | <0.01   | <0.5     | 3.85     | <5       | 230      | 2.0      | 4        | 4.21     | 0.6      | 79       | 1565     | 113      | 7.55     | 20       |
| B280532            |                          | 0.92         | <0.01   | <0.5     | 3.44     | <5       | 90       | 0.6      | 3        | 4.11     | 0.5      | 97       | 1545     | 35       | 7.64     | 10       |
| B280533            |                          | 1.12         | <0.01   | <0.5     | 3.45     | <5       | 110      | 0.6      | 3        | 3.59     | <0.5     | 99       | 1575     | 32       | 7.73     | 10       |
| B280534            |                          | 3.73         | <0.01   | <0.5     | 2.31     | <5       | <10      | <0.5     | 2        | 5.28     | 0.5      | 85       | 1260     | 35       | 6.16     | 10       |
| B280535            |                          | 3.61         | <0.01   | <0.5     | 3.00     | <5       | 20       | <0.5     | 2        | 4.37     | 0.6      | 98       | 1620     | 45       | 7.32     | 10       |
| B280536            |                          | 1.74         | <0.01   | <0.5     | 2.87     | <5       | 20       | <0.5     | 3        | 4.38     | <0.5     | 100      | 1515     | 42       | 7.21     | 10       |
| B280537            |                          | 3.21         | 0.01    | <0.5     | 2.46     | <5       | 10       | <0.5     | <2       | 4.29     | 0.5      | 93       | 1385     | 30       | 6.43     | 10       |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Total # Pages: 7 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 15-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20066548**

| Sample Description | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                    |                          | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti % |
| B280501            |                          | 1.16     | 30       | 1.18     | 508      | 14       | 4.39     | 24       | 970      | 80       | 1.04     | <5       | 7        | 1675     | <20      | 0.18 |
| B280502            |                          | 1.85     | 20       | 1.04     | 492      | <1       | 3.39     | 19       | 810      | 36       | 0.75     | <5       | 6        | 1375     | <20      | 0.14 |
| B280503            |                          | 2.78     | 30       | 1.08     | 500      | 1        | 3.97     | 20       | 870      | 45       | 0.24     | <5       | 7        | 1595     | <20      | 0.18 |
| B280504            |                          | 2.09     | 20       | 0.39     | 213      | 2        | 3.67     | 9        | 310      | 61       | 0.24     | <5       | 2        | 656      | 20       | 0.07 |
| B280505            |                          | 1.84     | 20       | 0.73     | 332      | <1       | 3.80     | 14       | 780      | 31       | 1.03     | <5       | 4        | 1060     | <20      | 0.09 |
| B280506            |                          | 2.96     | 10       | 0.14     | 93       | <1       | 3.81     | 3        | 100      | 62       | 0.24     | <5       | 1        | 287      | 20       | 0.04 |
| B280507            |                          | 2.65     | 30       | 0.93     | 448      | <1       | 3.85     | 19       | 710      | 64       | 0.19     | <5       | 6        | 1320     | <20      | 0.15 |
| B280508            |                          | 0.72     | 20       | 0.85     | 409      | 1        | 4.57     | 16       | 730      | 296      | 0.85     | <5       | 5        | 1240     | <20      | 0.10 |
| B280509            |                          | 0.62     | 20       | 0.60     | 261      | 3        | 4.47     | 11       | 660      | 270      | 0.97     | <5       | 4        | 1180     | <20      | 0.08 |
| B280510            |                          | 0.02     | 10       | <0.01    | 21       | <1       | 0.01     | 2        | 30       | 2        | <0.01    | <5       | <1       | 4        | <20      | 0.02 |
| B280511            |                          | 2.28     | 30       | 1.04     | 419      | <1       | 4.21     | 18       | 790      | 41       | 0.36     | <5       | 6        | 1730     | <20      | 0.15 |
| B280512            |                          | 2.40     | 20       | 0.78     | 365      | 1        | 4.02     | 16       | 620      | 224      | 0.49     | <5       | 5        | 1580     | <20      | 0.13 |
| B280513            |                          | 1.99     | 30       | 0.88     | 398      | <1       | 4.13     | 20       | 720      | 71       | 0.48     | <5       | 5        | 1515     | <20      | 0.14 |
| B280514            |                          | 1.40     | 30       | 0.84     | 360      | 1        | 3.69     | 18       | 670      | 92       | 1.06     | <5       | 5        | 1925     | <20      | 0.12 |
| B280515            |                          | 1.66     | 30       | 1.24     | 548      | 1        | 3.88     | 20       | 920      | 129      | 0.78     | <5       | 7        | 1765     | <20      | 0.16 |
| B280516            |                          | 2.30     | 30       | 1.25     | 536      | 1        | 4.49     | 27       | 970      | 78       | 0.34     | <5       | 7        | 1655     | <20      | 0.18 |
| B280517            |                          | 1.19     | 100      | 3.20     | 696      | 1        | 4.63     | 155      | 3150     | 23       | 0.37     | <5       | 11       | 1925     | 20       | 0.33 |
| B280518            |                          | 0.92     | 10       | 13.70    | 981      | 2        | 0.31     | 1405     | 250      | 11       | 0.24     | <5       | 19       | 279      | <20      | 0.09 |
| B280519            |                          | 0.75     | <10      | 12.60    | 1170     | 1        | 0.04     | 1115     | 60       | 6        | 0.28     | <5       | 18       | 221      | <20      | 0.08 |
| B280520            |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| B280521            |                          | 0.89     | 20       | 1.83     | 535      | 1        | 5.29     | 104      | 640      | 73       | 0.38     | <5       | 6        | 1385     | <20      | 0.14 |
| B280522            |                          | 0.70     | 30       | 1.14     | 511      | <1       | 6.77     | 33       | 910      | 24       | 0.64     | <5       | 5        | 1500     | 20       | 0.15 |
| B280523            |                          | 1.79     | 30       | 1.00     | 482      | <1       | 5.35     | 22       | 830      | 36       | 0.18     | <5       | 6        | 1745     | <20      | 0.17 |
| B280524            |                          | 0.57     | 30       | 0.98     | 407      | 1        | 5.31     | 26       | 760      | 29       | 1.10     | <5       | 6        | 1330     | <20      | 0.12 |
| B280525            |                          | 2.09     | 30       | 0.87     | 447      | <1       | 4.63     | 17       | 730      | 30       | 0.11     | <5       | 5        | 1760     | <20      | 0.16 |
| B280526            |                          | 1.26     | 30       | 1.19     | 530      | <1       | 5.24     | 36       | 840      | 32       | 0.19     | <5       | 6        | 1595     | <20      | 0.16 |
| B280527            |                          | 0.56     | 30       | 1.01     | 438      | <1       | 6.28     | 28       | 730      | 29       | 0.27     | <5       | 5        | 1480     | <20      | 0.13 |
| B280528            |                          | 3.17     | <10      | 10.85    | 1235     | <1       | 0.92     | 979      | 80       | 13       | 0.44     | <5       | 15       | 200      | <20      | 0.20 |
| B280529            |                          | 2.53     | <10      | 13.50    | 1400     | 133      | 0.43     | 1135     | 40       | 23       | 0.36     | <5       | 18       | 179      | <20      | 0.16 |
| B280530            |                          | 0.04     | 10       | 0.11     | 33       | 1        | 0.01     | 11       | 20       | 3        | <0.01    | <5       | <1       | 6        | <20      | 0.02 |
| B280531            |                          | 3.70     | <10      | 11.30    | 1395     | 2        | 0.71     | 758      | 100      | 27       | 0.37     | <5       | 25       | 170      | <20      | 0.23 |
| B280532            |                          | 0.82     | <10      | 16.00    | 1265     | 5        | 0.10     | 1415     | 80       | 7        | 0.18     | <5       | 23       | 233      | <20      | 0.10 |
| B280533            |                          | 0.88     | <10      | 16.30    | 1200     | 4        | 0.10     | 1450     | 90       | 6        | 0.15     | <5       | 23       | 250      | <20      | 0.10 |
| B280534            |                          | 0.01     | <10      | 16.55    | 1255     | 1        | 0.01     | 1465     | 90       | 10       | 0.06     | <5       | 15       | 154      | <20      | 0.04 |
| B280535            |                          | 0.16     | <10      | 17.15    | 1205     | 1        | 0.04     | 1565     | 70       | 8        | 0.08     | <5       | 20       | 99       | <20      | 0.06 |
| B280536            |                          | 0.45     | <10      | 16.90    | 1360     | <1       | 0.12     | 1575     | 70       | 11       | 0.07     | <5       | 19       | 86       | <20      | 0.06 |
| B280537            |                          | 0.16     | <10      | 15.95    | 1110     | <1       | 0.06     | 1495     | 60       | 11       | 0.18     | <5       | 17       | 86       | <20      | 0.05 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20066548**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|
|                    |                                   | Tl       | U        | V        | W        | Zn       |
|                    |                                   | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    |                                   | 10       | 10       | 1        | 10       | 2        |
| B280501            |                                   | <10      | <10      | 66       | <10      | 61       |
| B280502            |                                   | <10      | <10      | 64       | <10      | 46       |
| B280503            |                                   | <10      | <10      | 59       | <10      | 60       |
| B280504            |                                   | <10      | <10      | 23       | <10      | 27       |
| B280505            |                                   | <10      | <10      | 46       | <10      | 33       |
| B280506            |                                   | <10      | <10      | 11       | <10      | 13       |
| B280507            |                                   | <10      | <10      | 51       | <10      | 58       |
| B280508            |                                   | <10      | <10      | 35       | <10      | 29       |
| B280509            |                                   | <10      | <10      | 29       | <10      | 20       |
| B280510            |                                   | <10      | <10      | 3        | <10      | 3        |
| B280511            |                                   | <10      | <10      | 50       | <10      | 53       |
| B280512            |                                   | <10      | <10      | 43       | <10      | 36       |
| B280513            |                                   | <10      | <10      | 47       | <10      | 44       |
| B280514            |                                   | <10      | <10      | 51       | <10      | 31       |
| B280515            |                                   | <10      | <10      | 66       | <10      | 47       |
| B280516            |                                   | <10      | <10      | 66       | <10      | 65       |
| B280517            |                                   | <10      | <10      | 86       | <10      | 96       |
| B280518            |                                   | <10      | <10      | 115      | <10      | 104      |
| B280519            |                                   | <10      | <10      | 137      | <10      | 78       |
| B280520            |                                   |          |          |          |          |          |
| B280521            |                                   | <10      | <10      | 56       | <10      | 49       |
| B280522            |                                   | <10      | <10      | 40       | 10       | 51       |
| B280523            |                                   | <10      | <10      | 51       | <10      | 62       |
| B280524            |                                   | <10      | <10      | 39       | <10      | 33       |
| B280525            |                                   | <10      | <10      | 47       | <10      | 53       |
| B280526            |                                   | <10      | <10      | 51       | <10      | 54       |
| B280527            |                                   | <10      | <10      | 49       | <10      | 51       |
| B280528            |                                   | <10      | <10      | 179      | <10      | 151      |
| B280529            |                                   | <10      | <10      | 141      | <10      | 102      |
| B280530            |                                   | <10      | <10      | 4        | <10      | 7        |
| B280531            |                                   | <10      | <10      | 209      | <10      | 141      |
| B280532            |                                   | <10      | <10      | 133      | <10      | 77       |
| B280533            |                                   | <10      | <10      | 136      | <10      | 73       |
| B280534            |                                   | <10      | <10      | 88       | <10      | 51       |
| B280535            |                                   | <10      | <10      | 120      | <10      | 65       |
| B280536            |                                   | <10      | <10      | 117      | <10      | 79       |
| B280537            |                                   | <10      | <10      | 98       | <10      | 62       |



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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20066548**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
 Au-AA26 ME-ICP61

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.  
 CRU-31 CRU-QC LOG-21 LOG-23  
 PUL-31 PUL-QC SPL-21 WEI-21



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**QC CERTIFICATE TM20066548**

Project: Golden Perimeter  
 P.O. No.: GP20-05  
 This report is for 237 Drill Core samples submitted to our lab in Timmins, ON, Canada on 20-MAR-2020.  
 The following have access to data associated with this certificate:

|                              |              |              |
|------------------------------|--------------|--------------|
| IAN DUNLOP<br>CONOR MCKINLEY | DARWIN GREEN | NEAL MAGUIRE |
|------------------------------|--------------|--------------|

| SAMPLE PREPARATION |                                 |
|--------------------|---------------------------------|
| ALS CODE           | DESCRIPTION                     |
| WEI-21             | Received Sample Weight          |
| LOG-21             | Sample logging - ClientBarCode  |
| CRU-QC             | Crushing QC Test                |
| PUL-QC             | Pulverizing QC Test             |
| CRU-31             | Fine crushing - 70% <2mm        |
| SPL-21             | Split sample - riffle splitter  |
| PUL-31             | Pulverize up to 250g 85% <75 um |
| LOG-23             | Pulp Login - Rcvd with Barcode  |

| ANALYTICAL PROCEDURES |                               |            |
|-----------------------|-------------------------------|------------|
| ALS CODE              | DESCRIPTION                   | INSTRUMENT |
| ME-ICP61              | 33 element four acid ICP-AES  | ICP-AES    |
| Au-AA26               | Ore Grade Au 50g FA AA finish | AAS        |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

**Signature:**   
 Saa Traxler, General Manager, North Vancouver





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**QC CERTIFICATE OF ANALYSIS TM20066548**

| Sample Description         | Method Analyte Units LOD | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|----------------------------|--------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                            |                          | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K %  |
|                            |                          | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       | 0.01 |
| <b>STANDARDS</b>           |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| CDN-CM-34                  |                          |         | 3.4      | 6.78     | 109      | 510      | 1.1      | 9        | 2.25     | 1.1      | 45       | 247      | 6050     | 5.00     | 20       | 2.92 |
| CDN-CM-34                  |                          |         | 3.8      | 6.78     | 104      | 520      | 1.1      | 9        | 2.15     | 1.2      | 45       | 267      | 6070     | 4.85     | 20       | 2.88 |
| CDN-CM-34                  |                          |         | 3.8      | 6.74     | 104      | 510      | 1.1      | 8        | 2.12     | 1.1      | 44       | 245      | 5980     | 4.80     | 20       | 2.83 |
| CDN-CM-34                  |                          |         | 3.4      | 6.70     | 109      | 510      | 1.1      | 7        | 2.21     | 1.9      | 45       | 252      | 6040     | 4.96     | 20       | 2.87 |
| Target Range - Lower Bound |                          |         | 2.5      | 5.88     | 90       | 430      | <0.5     | <2       | 1.83     | <0.5     | 37       | 217      | 5370     | 4.26     | <10      | 2.51 |
| Upper Bound                |                          |         | 4.9      | 7.21     | 122      | 610      | 2.1      | 8        | 2.25     | 2.0      | 47       | 267      | 6190     | 5.23     | 40       | 3.09 |
| EMOG-17                    |                          |         | 68.1     | 4.75     | 586      | 180      | 1.8      | 13       | 2.01     | 20.4     | 771      | 58       | 8470     | 5.00     | 10       | 1.71 |
| EMOG-17                    |                          |         | 67.5     | 4.63     | 576      | 160      | 1.8      | 10       | 1.89     | 19.9     | 751      | 56       | 8410     | 4.75     | 10       | 1.64 |
| EMOG-17                    |                          |         | 67.2     | 4.64     | 570      | 160      | 1.8      | 13       | 1.89     | 19.7     | 749      | 55       | 8350     | 4.75     | 10       | 1.64 |
| EMOG-17                    |                          |         | 69.3     | 4.75     | 592      | 140      | 1.9      | 8        | 2.01     | 20.9     | 781      | 58       | 8600     | 5.03     | 10       | 1.71 |
| Target Range - Lower Bound |                          |         | 60.4     | 4.18     | 517      | 930      | 0.7      | <2       | 1.72     | 17.7     | 685      | 49       | 7740     | 4.42     | <10      | 1.49 |
| Upper Bound                |                          |         | 75.0     | 5.13     | 643      | 1290     | 2.9      | 10       | 2.12     | 22.7     | 839      | 62       | 8910     | 5.42     | 30       | 1.85 |
| G313-5                     |                          | 6.99    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G313-5                     |                          | 6.88    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G313-5                     |                          | 7.15    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 6.64    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 7.50    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G917-1                     |                          | 49.0    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G917-1                     |                          | 48.7    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| G917-1                     |                          | 49.2    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 45.5    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 51.3    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| KIP-19                     |                          | 2.42    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| KIP-19                     |                          | 2.49    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| KIP-19                     |                          | 2.42    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 2.27    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 2.59    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| MRGeo08                    |                          |         | 4.3      | 7.34     | 30       | 1130     | 3.3      | <2       | 2.79     | 2.2      | 21       | 93       | 644      | 4.08     | 20       | 3.20 |
| MRGeo08                    |                          |         | 4.0      | 6.91     | 29       | 1030     | 3.1      | <2       | 2.48     | 2.0      | 19       | 86       | 589      | 3.66     | 20       | 2.90 |
| MRGeo08                    |                          |         | 4.5      | 7.36     | 33       | 1100     | 3.3      | 3        | 2.62     | 2.1      | 21       | 90       | 627      | 3.90     | 20       | 3.09 |
| Target Range - Lower Bound |                          |         | 3.2      | 6.64     | 21       | 920      | 2.2      | <2       | 2.35     | 1.1      | 17       | 81       | 586      | 3.55     | <10      | 2.79 |
| Upper Bound                |                          |         | 5.6      | 8.14     | 45       | 1270     | 4.5      | 5        | 2.90     | 3.4      | 23       | 102      | 676      | 4.37     | 40       | 3.43 |



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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20066548**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|----------------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                            |                          | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti %     | Tl ppm |
|                            |                          | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01     | 10     |
| <b>STANDARDS</b>           |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| CDN-CM-34                  |                          | 20       | 3.84     | 474      | 303      | 0.78     | 262      | 1250     | 27       | 3.12     | 7        | 17       | 230      | <20      | 0.51     | <10    |
| CDN-CM-34                  |                          | 10       | 3.69     | 463      | 307      | 0.76     | 255      | 1250     | 29       | 3.18     | 8        | 16       | 228      | <20      | 0.53     | <10    |
| CDN-CM-34                  |                          | 20       | 3.65     | 455      | 296      | 0.76     | 255      | 1240     | 27       | 3.15     | 10       | 16       | 226      | <20      | 0.51     | <10    |
| CDN-CM-34                  |                          | 20       | 3.77     | 475      | 302      | 0.75     | 258      | 1240     | 35       | 3.14     | 7        | 16       | 223      | <20      | 0.52     | <10    |
| Target Range - Lower Bound |                          | <10      | 3.29     | 399      | 269      | 0.66     | 220      | 1110     | 19       | 2.70     | <5       | 14       | 204      | <20      | 0.43     | <10    |
| Upper Bound                |                          | 40       | 4.05     | 499      | 331      | 0.83     | 271      | 1370     | 29       | 3.32     | 17       | 19       | 251      | 40       | 0.55     | 20     |
| EMOG-17                    |                          | 20       | 0.98     | 761      | 1090     | 1.13     | 7820     | 820      | 7250     | 3.26     | 805      | 8        | 208      | <20      | 0.33     | <10    |
| EMOG-17                    |                          | 20       | 0.92     | 737      | 1055     | 1.09     | 7600     | 810      | 7230     | 3.26     | 818      | 8        | 201      | <20      | 0.33     | <10    |
| EMOG-17                    |                          | 20       | 0.92     | 725      | 1055     | 1.08     | 7570     | 800      | 7180     | 3.23     | 809      | 8        | 202      | <20      | 0.33     | <10    |
| EMOG-17                    |                          | 20       | 0.99     | 790      | 1125     | 1.12     | 8020     | 820      | 7610     | 3.33     | 841      | 8        | 204      | <20      | 0.34     | <10    |
| Target Range - Lower Bound |                          | <10      | 0.86     | 670      | 996      | 0.99     | 6820     | 700      | 6570     | 2.91     | 638      | 6        | 184      | <20      | 0.28     | <10    |
| Upper Bound                |                          | 40       | 1.08     | 830      | 1220     | 1.23     | 8330     | 880      | 8030     | 3.57     | 874      | 10       | 227      | 50       | 0.36     | 20     |
| G313-5                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| G313-5                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| G313-5                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| G917-1                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| G917-1                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| G917-1                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| KIP-19                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| KIP-19                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| KIP-19                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| MRGeo08                    |                          | 30       | 1.34     | 579      | 15       | 2.04     | 729      | 1050     | 1095     | 0.31     | <5       | 11       | 307      | 20       | 0.51     | <10    |
| MRGeo08                    |                          | 30       | 1.21     | 523      | 14       | 1.84     | 666      | 980      | 1030     | 0.29     | <5       | 10       | 283      | 20       | 0.48     | <10    |
| MRGeo08                    |                          | 30       | 1.28     | 555      | 14       | 1.97     | 707      | 1040     | 1100     | 0.31     | 5        | 11       | 305      | 20       | 0.51     | <10    |
| Target Range - Lower Bound |                          | <10      | 1.17     | 497      | 12       | 1.76     | 621      | 930      | 969      | 0.27     | <5       | 10       | 276      | <20      | 0.44     | <10    |
| Upper Bound                |                          | 60       | 1.45     | 619      | 18       | 2.18     | 761      | 1160     | 1190     | 0.35     | 15       | 15       | 340      | 60       | 0.56     | 20     |



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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20066548**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 U ppm 10 | ME-ICP61 V ppm 1 | ME-ICP61 W ppm 10 | ME-ICP61 Zn ppm 2 |
|----------------------------|--------------------------|-------------------|------------------|-------------------|-------------------|
| <b>STANDARDS</b>           |                          |                   |                  |                   |                   |
| CDN-CM-34                  |                          | <10               | 171              | 20                | 201               |
| CDN-CM-34                  |                          | <10               | 170              | 20                | 197               |
| CDN-CM-34                  |                          | <10               | 167              | 20                | 201               |
| CDN-CM-34                  |                          | <10               | 169              | 20                | 485               |
| Target Range - Lower Bound |                          | <10               | 149              | <10               | 176               |
| Upper Bound                |                          | 20                | 184              | 50                | 219               |
| EMOG-17                    |                          | <10               | 75               | <10               | 7430              |
| EMOG-17                    |                          | <10               | 72               | <10               | 7570              |
| EMOG-17                    |                          | <10               | 73               | <10               | 7400              |
| EMOG-17                    |                          | <10               | 76               | <10               | 7760              |
| Target Range - Lower Bound |                          | <10               | 67               | <10               | 6800              |
| Upper Bound                |                          | 20                | 84               | 20                | 8320              |
| G313-5                     |                          |                   |                  |                   |                   |
| G313-5                     |                          |                   |                  |                   |                   |
| G313-5                     |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| G917-1                     |                          |                   |                  |                   |                   |
| G917-1                     |                          |                   |                  |                   |                   |
| G917-1                     |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| KIP-19                     |                          |                   |                  |                   |                   |
| KIP-19                     |                          |                   |                  |                   |                   |
| KIP-19                     |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| MRGeo08                    |                          | <10               | 112              | <10               | 843               |
| MRGeo08                    |                          | <10               | 103              | <10               | 758               |
| MRGeo08                    |                          | <10               | 109              | <10               | 805               |
| Target Range - Lower Bound |                          | <10               | 97               | <10               | 722               |
| Upper Bound                |                          | 30                | 121              | 30                | 886               |



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**QC CERTIFICATE OF ANALYSIS TM20066548**

| Sample Description         | Method Analyte Units LOD | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |     |
|----------------------------|--------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|
|                            |                          | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K % |
|                            |                          | 0.01    | 0.5      | 0.01     | 5        | 10       |          |          |          |          |          |          |          |          |          |     |
| <b>STANDARDS</b>           |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| OREAS 602                  |                          | >100    | 4.52     | 687      | 250      | 0.8      | 66       | 0.68     | 26.9     | 10       | 35       | 5340     | 2.31     | 20       | 0.72     |     |
| OREAS 602                  |                          | >100    | 4.17     | 647      | 130      | 0.8      | 60       | 0.60     | 24.7     | 9        | 35       | 5030     | 2.09     | 20       | 0.65     |     |
| OREAS 602                  |                          | >100    | 4.47     | 685      | 100      | 0.8      | 63       | 0.64     | 26.1     | 10       | 31       | 5310     | 2.21     | 20       | 0.69     |     |
| Target Range - Lower Bound |                          | 107.5   | 3.92     | 579      | 590      | <0.5     | 49       | 0.55     | 21.7     | 7        | 28       | 4790     | 2.01     | <10      | 0.60     |     |
| Upper Bound                |                          | 100.0   | 4.82     | 719      | 830      | 1.8      | 65       | 0.69     | 27.7     | 12       | 36       | 5510     | 2.47     | 40       | 0.76     |     |
| OxP154                     |                          | 15.30   |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| OxP154                     |                          | 15.20   |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Target Range - Lower Bound |                          | 14.35   |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Upper Bound                |                          | 16.20   |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| PMP-18                     |                          | 0.31    |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| PMP-18                     |                          | 0.31    |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Target Range - Lower Bound |                          | 0.28    |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Upper Bound                |                          | 0.34    |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| <b>BLANKS</b>              |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| BLANK                      |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| BLANK                      |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| BLANK                      |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| BLANK                      |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| BLANK                      |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |     |
| BLANK                      |                          | <0.5    | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | 1        | <1       | <0.01    | <10      | <0.01    |     |
| BLANK                      |                          | <0.5    | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | 1        | <1       | <0.01    | <10      | <0.01    |     |
| BLANK                      |                          | <0.5    | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | 1        | <0.01    | <10      | <0.01    |     |
| BLANK                      |                          | <0.5    | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | 1        | <0.01    | <10      | <0.01    |     |
| BLANK                      |                          | <0.5    | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | 1        | <0.01    | <10      | <0.01    |     |
| BLANK                      |                          | <0.5    | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | 1        | <0.01    | <10      | <0.01    |     |
| BLANK                      |                          | <0.5    | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | 1        | <0.01    | <10      | <0.01    |     |
| Target Range - Lower Bound |                          | <0.5    | <0.01    | <5       | <10      | <0.5     | <2       | <0.01    | <0.5     | <1       | <1       | <1       | <0.01    | <10      | <0.01    |     |
| Upper Bound                |                          | 1.0     | 0.02     | 10       | 20       | 1.0      | 4        | 0.02     | 1.0      | 2        | 2        | 2        | 0.02     | 20       | 0.02     |     |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Finalized Date: 15-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20066548**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|----------------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                            |                          | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti %     | Tl ppm |
|                            |                          | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01     | 10     |
| <b>STANDARDS</b>           |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| OREAS 602                  |                          | 10       | 0.20     | 242      | 4        | 0.46     | 66       | 600      | 1085     | 2.20     | 90       | 4        | 460      | <20      | 0.22     | <10    |
| OREAS 602                  |                          | 10       | 0.18     | 223      | 4        | 0.42     | 61       | 550      | 1005     | 2.08     | 87       | 4        | 444      | <20      | 0.22     | <10    |
| OREAS 602                  |                          | 10       | 0.19     | 237      | 5        | 0.44     | 61       | 590      | 1075     | 2.19     | 91       | 4        | 470      | <20      | 0.23     | <10    |
| Target Range - Lower Bound |                          | <10      | 0.17     | 198      | 2        | 0.40     | 53       | 500      | 918      | 1.90     | 61       | 2        | 417      | <20      | 0.18     | <10    |
| Upper Bound                |                          | 40       | 0.23     | 253      | 7        | 0.51     | 67       | 640      | 1125     | 2.34     | 97       | 6        | 511      | 50       | 0.24     | 20     |
| OxP154                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| OxP154                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| PMP-18                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| PMP-18                     |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| <b>BLANKS</b>              |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| BLANK                      |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| BLANK                      |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| BLANK                      |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| BLANK                      |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| BLANK                      |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Target Range - Lower Bound |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| Upper Bound                |                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| BLANK                      |                          | <10      | <0.01    | <5       | <1       | <0.01    | <1       | <10      | <2       | <0.01    | <5       | <1       | 2        | <20      | <0.01    | <10    |
| BLANK                      |                          | <10      | <0.01    | <5       | <1       | <0.01    | 1        | <10      | <2       | <0.01    | <5       | <1       | 1        | <20      | <0.01    | <10    |
| BLANK                      |                          | <10      | <0.01    | <5       | <1       | <0.01    | <1       | <10      | <2       | <0.01    | <5       | <1       | <1       | <20      | <0.01    | <10    |
| BLANK                      |                          | <10      | <0.01    | <5       | <1       | <0.01    | 2        | <10      | <2       | <0.01    | <5       | <1       | <1       | <20      | <0.01    | <10    |
| BLANK                      |                          | <10      | <0.01    | <5       | <1       | <0.01    | 1        | <10      | <2       | <0.01    | <5       | <1       | <1       | <20      | <0.01    | <10    |
| BLANK                      |                          | <10      | <0.01    | <5       | <1       | <0.01    | 1        | <10      | <2       | <0.01    | <5       | <1       | 1        | <20      | <0.01    | <10    |
| BLANK                      |                          | <10      | <0.01    | <5       | <1       | <0.01    | <1       | <10      | 2        | <0.01    | <5       | <1       | <1       | <20      | <0.01    | <10    |
| Target Range - Lower Bound |                          | <10      | <0.01    | <5       | <1       | <0.01    | <1       | <10      | <2       | <0.01    | <5       | <1       | <1       | <20      | <0.01    | <10    |
| Upper Bound                |                          | 20       | 0.02     | 10       | 2        | 0.02     | 2        | 20       | 4        | 0.02     | 10       | 2        | 2        | 40       | 0.02     | 20     |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20066548**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 U ppm 10 | ME-ICP61 V ppm 1 | ME-ICP61 W ppm 10 | ME-ICP61 Zn ppm 2 |
|----------------------------|--------------------------|-------------------|------------------|-------------------|-------------------|
| <b>STANDARDS</b>           |                          |                   |                  |                   |                   |
| OREAS 602                  |                          | <10               | 35               | 10                | 4280              |
| OREAS 602                  |                          | <10               | 32               | 10                | 4000              |
| OREAS 602                  |                          | <10               | 34               | 10                | 4230              |
| Target Range - Lower Bound |                          | <10               | 29               | <10               | 3770              |
| Upper Bound                |                          | 20                | 37               | 30                | 4610              |
| OxP154                     |                          |                   |                  |                   |                   |
| OxP154                     |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| PMP-18                     |                          |                   |                  |                   |                   |
| PMP-18                     |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| <b>BLANKS</b>              |                          |                   |                  |                   |                   |
| BLANK                      |                          |                   |                  |                   |                   |
| BLANK                      |                          |                   |                  |                   |                   |
| BLANK                      |                          |                   |                  |                   |                   |
| BLANK                      |                          |                   |                  |                   |                   |
| BLANK                      |                          |                   |                  |                   |                   |
| Target Range - Lower Bound |                          |                   |                  |                   |                   |
| Upper Bound                |                          |                   |                  |                   |                   |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | <2                |
| BLANK                      |                          | <10               | <1               | <10               | 2                 |
| Target Range - Lower Bound |                          | <10               | <1               | <10               | <2                |
| Upper Bound                |                          | 20                | 2                | 20                | 4                 |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20066548**

| Sample Description         | Method Analyte Units LOD | Au-AA26<br>Au<br>ppm<br>0.01 | ME-ICP61<br>Ag<br>ppm<br>0.5 | ME-ICP61<br>Al<br>%<br>0.01 | ME-ICP61<br>As<br>ppm<br>5 | ME-ICP61<br>Ba<br>ppm<br>10 | ME-ICP61<br>Be<br>ppm<br>0.5 | ME-ICP61<br>Bi<br>ppm<br>2 | ME-ICP61<br>Ca<br>%<br>0.01 | ME-ICP61<br>Cd<br>ppm<br>0.5 | ME-ICP61<br>Co<br>ppm<br>1 | ME-ICP61<br>Cr<br>ppm<br>1 | ME-ICP61<br>Cu<br>ppm<br>1 | ME-ICP61<br>Fe<br>%<br>0.01 | ME-ICP61<br>Ga<br>ppm<br>10 | ME-ICP61<br>K<br>%<br>0.01 |
|----------------------------|--------------------------|------------------------------|------------------------------|-----------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|----------------------------|
| <b>DUPLICATES</b>          |                          |                              |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| ORIGINAL                   |                          | 0.76                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | 0.78                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | 0.72                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.82                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| ORIGINAL                   |                          | 0.60                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | 0.65                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | 0.58                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.67                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| ORIGINAL                   |                          | 0.05                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | 0.06                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | 0.04                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.07                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| ORIGINAL                   |                          | 0.01                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | 0.01                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| ORIGINAL                   |                          |                              | <0.5                         | 6.85                        | <5                         | 130                         | 0.7                          | 4                          | 6.68                        | <0.5                         | 50                         | 296                        | 58                         | 8.04                        | 20                          | 0.45                       |
| DUP                        |                          |                              | <0.5                         | 6.73                        | <5                         | 140                         | 0.7                          | 2                          | 6.69                        | <0.5                         | 50                         | 294                        | 59                         | 8.05                        | 20                          | 0.45                       |
| Target Range - Lower Bound |                          |                              | <0.5                         | 6.44                        | <5                         | 110                         | <0.5                         | <2                         | 6.34                        | <0.5                         | 47                         | 279                        | 55                         | 7.63                        | <10                         | 0.42                       |
| Upper Bound                |                          |                              | 1.0                          | 7.14                        | 10                         | 160                         | 1.0                          | 4                          | 7.03                        | 1.0                          | 54                         | 311                        | 62                         | 8.46                        | 30                          | 0.48                       |
| B280332                    |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| B280337                    |                          |                              | <0.5                         | 7.55                        | <5                         | 2310                        | 2.1                          | <2                         | 2.61                        | <0.5                         | 14                         | 68                         | 18                         | 3.17                        | 20                          | 3.02                       |
| DUP                        |                          |                              | <0.5                         | 7.49                        | <5                         | 2270                        | 2.1                          | <2                         | 2.56                        | <0.5                         | 14                         | 66                         | 19                         | 3.12                        | 20                          | 3.01                       |
| Target Range - Lower Bound |                          |                              | <0.5                         | 7.13                        | <5                         | 2110                        | 1.5                          | <2                         | 2.45                        | <0.5                         | 12                         | 63                         | 17                         | 2.98                        | <10                         | 2.85                       |
| Upper Bound                |                          |                              | 1.0                          | 7.91                        | 10                         | 2470                        | 2.7                          | 4                          | 2.72                        | 1.0                          | 16                         | 71                         | 20                         | 3.31                        | 30                          | 3.18                       |
| B280352                    |                          | 0.01                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| DUP                        |                          | 0.01                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Target Range - Lower Bound |                          | <0.01                        |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |
| Upper Bound                |                          | 0.02                         |                              |                             |                            |                             |                              |                            |                             |                              |                            |                            |                            |                             |                             |                            |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM20066548**

| Sample Description                                           | Method Analyte Units LOD | ME-ICP61          | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |        |
|--------------------------------------------------------------|--------------------------|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                                                              |                          | La ppm            | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   | Ti %     | Tl ppm |
|                                                              |                          | 10                | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       | 0.01     | 10     |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | <b>DUPLICATES</b> |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                   |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                   |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                   |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | 10                | 5.15     | 1335     | 1        | 1.98     | 123      | 730      | 3        | 0.07     | 5        | 27       | 296      | <20      | 0.50     | <10    |
|                                                              |                          | 10                | 5.07     | 1320     | 1        | 2.00     | 122      | 710      | 2        | 0.07     | <5       | 25       | 296      | <20      | 0.49     | <10    |
| Target Range - Lower Bound                                   |                          | <10               | 4.84     | 1255     | <1       | 1.88     | 115      | 670      | <2       | 0.06     | <5       | 24       | 280      | <20      | 0.46     | <10    |
| Upper Bound                                                  |                          | 20                | 5.38     | 1400     | 2        | 2.10     | 130      | 770      | 4        | 0.08     | 10       | 28       | 312      | 40       | 0.53     | 20     |
| B280332<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                   |          |          |          |          |          |          |          |          |          |          |          |          |          |        |
| B280337<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          | 40                | 1.67     | 615      | <1       | 3.48     | 25       | 1270     | 27       | 0.09     | <5       | 10       | 1060     | <20      | 0.24     | <10    |
|                                                              |                          | 40                | 1.64     | 608      | <1       | 3.41     | 21       | 1230     | 26       | 0.09     | <5       | 10       | 1045     | <20      | 0.24     | <10    |
| Target Range - Lower Bound                                   |                          | 30                | 1.56     | 576      | <1       | 3.26     | 21       | 1180     | 23       | 0.08     | <5       | 9        | 999      | <20      | 0.22     | <10    |
| Upper Bound                                                  |                          | 50                | 1.75     | 647      | 2        | 3.63     | 25       | 1320     | 30       | 0.10     | 10       | 12       | 1105     | 40       | 0.26     | 20     |
| B280352<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                   |          |          |          |          |          |          |          |          |          |          |          |          |          |        |





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 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM20066548**

| Sample Description                                           | Method Analyte Units LOD | ME-ICP61 U ppm 10 | ME-ICP61 V ppm 1 | ME-ICP61 W ppm 10 | ME-ICP61 Zn ppm 2 |
|--------------------------------------------------------------|--------------------------|-------------------|------------------|-------------------|-------------------|
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound | <b>DUPLICATES</b>        |                   |                  |                   |                   |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                   |                  |                   |                   |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                   |                  |                   |                   |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                   |                  |                   |                   |
| ORIGINAL<br>DUP<br>Target Range - Lower Bound<br>Upper Bound | <10                      | 195               | <10              | 99                |                   |
|                                                              | <10                      | 193               | <10              | 98                |                   |
| Target Range - Lower Bound                                   | <10                      | 183               | <10              | 92                |                   |
| Upper Bound                                                  | 20                       | 205               | 20               | 105               |                   |
| B280332<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                   |                  |                   |                   |
| B280337<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  | <10                      | 88                | <10              | 64                |                   |
|                                                              | <10                      | 86                | <10              | 63                |                   |
| Target Range - Lower Bound                                   | <10                      | 82                | <10              | 58                |                   |
| Upper Bound                                                  | 20                       | 92                | 20               | 69                |                   |
| B280352<br>DUP<br>Target Range - Lower Bound<br>Upper Bound  |                          |                   |                  |                   |                   |



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**QC CERTIFICATE OF ANALYSIS TM20066548**

| Sample Description         | Method Analyte Units LOD | Au-AA26<br>Au<br>ppm | ME-ICP61<br>Ag<br>ppm | ME-ICP61<br>Al<br>% | ME-ICP61<br>As<br>ppm | ME-ICP61<br>Ba<br>ppm | ME-ICP61<br>Be<br>ppm | ME-ICP61<br>Bi<br>ppm | ME-ICP61<br>Ca<br>% | ME-ICP61<br>Cd<br>ppm | ME-ICP61<br>Co<br>ppm | ME-ICP61<br>Cr<br>ppm | ME-ICP61<br>Cu<br>ppm | ME-ICP61<br>Fe<br>% | ME-ICP61<br>Ga<br>ppm | ME-ICP61<br>K<br>% |
|----------------------------|--------------------------|----------------------|-----------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|-----------------------|--------------------|
|                            |                          | 0.01                 | 0.5                   | 0.01                | 5                     | 10                    | 0.5                   | 2                     | 0.01                | 0.5                   | 1                     | 1                     | 1                     | 0.01                | 10                    | 0.01               |
| <b>DUPLICATES</b>          |                          |                      |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| B280372<br>DUP             |                          | <0.01                |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| Target Range - Lower Bound |                          | <0.01                |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| Upper Bound                |                          | 0.02                 |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| B280375<br>DUP             |                          | <0.5                 | 7.62                  | <5                  | 2740                  | 2.4                   | <2                    | 2.37                  | <0.5                | 13                    | 32                    | 16                    | 3.14                  | 20                  | 2.59                  |                    |
| Target Range - Lower Bound |                          | <0.5                 | 7.36                  | <5                  | 2650                  | 2.5                   | <2                    | 2.27                  | <0.5                | 13                    | 32                    | 16                    | 3.00                  | 20                  | 2.53                  |                    |
| Upper Bound                |                          | <0.5                 | 7.11                  | <5                  | 2480                  | 1.8                   | <2                    | 2.19                  | <0.5                | 11                    | 29                    | 14                    | 2.91                  | <10                 | 2.42                  |                    |
|                            |                          | 1.0                  | 7.87                  | 10                  | 2910                  | 3.1                   | 4                     | 2.45                  | 1.0                 | 15                    | 35                    | 18                    | 3.23                  | 30                  | 2.70                  |                    |
| B280410<br>DUP             |                          | <0.01                |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| Target Range - Lower Bound |                          | <0.01                |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| Upper Bound                |                          | 0.02                 |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| B280413<br>DUP             |                          | 0.7                  | 6.58                  | <5                  | 1120                  | 1.5                   | 5                     | 2.52                  | <0.5                | 13                    | 24                    | 29                    | 2.94                  | 20                  | 0.74                  |                    |
| Target Range - Lower Bound |                          | 0.7                  | 6.53                  | <5                  | 1030                  | 1.4                   | 3                     | 2.51                  | <0.5                | 13                    | 27                    | 31                    | 2.91                  | 20                  | 0.73                  |                    |
| Upper Bound                |                          | <0.5                 | 6.22                  | <5                  | 980                   | 0.9                   | <2                    | 2.38                  | <0.5                | 11                    | 23                    | 28                    | 2.77                  | <10                 | 0.69                  |                    |
|                            |                          | 1.0                  | 6.89                  | 10                  | 1170                  | 2.0                   | 6                     | 2.65                  | 1.0                 | 15                    | 28                    | 32                    | 3.08                  | 30                  | 0.78                  |                    |
| B280430<br>DUP             |                          | <0.01                |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| Target Range - Lower Bound |                          | <0.01                |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| Upper Bound                |                          | 0.02                 |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| B280450<br>DUP             |                          | <0.01                |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| Target Range - Lower Bound |                          | <0.01                |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| Upper Bound                |                          | 0.02                 |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| B280451<br>DUP             |                          | <0.5                 | 6.86                  | <5                  | 2720                  | 2.6                   | 2                     | 5.07                  | <0.5                | 21                    | 162                   | 28                    | 3.87                  | 20                  | 1.33                  |                    |
| Target Range - Lower Bound |                          | <0.5                 | 6.69                  | <5                  | 2640                  | 2.5                   | 3                     | 4.85                  | <0.5                | 21                    | 152                   | 25                    | 3.75                  | 20                  | 1.30                  |                    |
| Upper Bound                |                          | <0.5                 | 6.43                  | <5                  | 2470                  | 1.9                   | <2                    | 4.70                  | <0.5                | 19                    | 148                   | 25                    | 3.61                  | <10                 | 1.24                  |                    |
|                            |                          | 1.0                  | 7.12                  | 10                  | 2890                  | 3.2                   | 4                     | 5.22                  | 1.0                 | 23                    | 166                   | 28                    | 4.01                  | 30                  | 1.39                  |                    |
| B280485<br>DUP             |                          | <0.01                |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| Target Range - Lower Bound |                          | <0.01                |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |
| Upper Bound                |                          | 0.02                 |                       |                     |                       |                       |                       |                       |                     |                       |                       |                       |                       |                     |                       |                    |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM20066548**

| Sample Description                                          | Method Analyte Units LOD | ME-ICP61 La ppm      | ME-ICP61 Mg %                | ME-ICP61 Mn ppm             | ME-ICP61 Mo ppm     | ME-ICP61 Na %                | ME-ICP61 Ni ppm      | ME-ICP61 P ppm               | ME-ICP61 Pb ppm      | ME-ICP61 S %                 | ME-ICP61 Sb ppm      | ME-ICP61 Sc ppm      | ME-ICP61 Sr ppm              | ME-ICP61 Th ppm         | ME-ICP61 Ti %                | ME-ICP61 Tl ppm         |
|-------------------------------------------------------------|--------------------------|----------------------|------------------------------|-----------------------------|---------------------|------------------------------|----------------------|------------------------------|----------------------|------------------------------|----------------------|----------------------|------------------------------|-------------------------|------------------------------|-------------------------|
|                                                             |                          | 10                   | 0.01                         | 5                           | 1                   | 0.01                         | 1                    | 10                           | 2                    | 0.01                         | 5                    | 1                    | 1                            | 20                      | 0.01                         | 10                      |
| B280372<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | <b>DUPLICATES</b>    |                              |                             |                     |                              |                      |                              |                      |                              |                      |                      |                              |                         |                              |                         |
| B280375<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | 50<br>50<br>40<br>60 | 1.44<br>1.39<br>1.33<br>1.50 | 628<br>611<br>584<br>655    | 1<br><1<br><1<br>2  | 3.90<br>3.81<br>3.65<br>4.06 | 18<br>19<br>17<br>20 | 1310<br>1260<br>1210<br>1360 | 26<br>25<br>22<br>29 | 0.20<br>0.19<br>0.18<br>0.21 | <5<br><5<br><5<br>10 | 9<br>9<br>8<br>10    | 1150<br>1105<br>1070<br>1185 | <20<br><20<br><20<br>40 | 0.25<br>0.25<br>0.23<br>0.27 | <10<br><10<br><10<br>20 |
| B280410<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                      |                              |                             |                     |                              |                      |                              |                      |                              |                      |                      |                              |                         |                              |                         |
| B280413<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | 30<br>30<br>20<br>40 | 1.04<br>1.05<br>0.98<br>1.11 | 518<br>518<br>487<br>549    | <1<br><1<br><1<br>2 | 5.03<br>4.90<br>4.71<br>5.22 | 16<br>15<br>14<br>17 | 1130<br>1130<br>1060<br>1200 | 32<br>37<br>31<br>38 | 1.92<br>1.89<br>1.80<br>2.01 | <5<br><5<br><5<br>10 | 7<br>7<br>6<br>8     | 455<br>444<br>426<br>473     | <20<br><20<br><20<br>40 | 0.17<br>0.17<br>0.15<br>0.19 | <10<br><10<br><10<br>20 |
| B280430<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                      |                              |                             |                     |                              |                      |                              |                      |                              |                      |                      |                              |                         |                              |                         |
| B280450<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                      |                              |                             |                     |                              |                      |                              |                      |                              |                      |                      |                              |                         |                              |                         |
| B280451<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | 40<br>40<br>30<br>50 | 2.73<br>2.65<br>2.55<br>2.83 | 1050<br>1010<br>974<br>1085 | <1<br><1<br><1<br>2 | 3.29<br>3.27<br>3.11<br>3.45 | 55<br>55<br>51<br>59 | 1440<br>1390<br>1330<br>1500 | 29<br>30<br>26<br>33 | 0.51<br>0.49<br>0.47<br>0.54 | <5<br><5<br><5<br>10 | 15<br>14<br>13<br>16 | 3360<br>3260<br>3140<br>3480 | <20<br><20<br><20<br>40 | 0.31<br>0.30<br>0.28<br>0.33 | <10<br><10<br><10<br>20 |
| B280485<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                      |                              |                             |                     |                              |                      |                              |                      |                              |                      |                      |                              |                         |                              |                         |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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|                                              |
|----------------------------------------------|
| <b>QC CERTIFICATE OF ANALYSIS TM20066548</b> |
|----------------------------------------------|

| Sample Description                                          | Method Analyte Units LOD | ME-ICP61 U ppm 10       | ME-ICP61 V ppm 1         | ME-ICP61 W ppm 10       | ME-ICP61 Zn ppm 2        |
|-------------------------------------------------------------|--------------------------|-------------------------|--------------------------|-------------------------|--------------------------|
| <b>DUPLICATES</b>                                           |                          |                         |                          |                         |                          |
| B280372<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                          |                         |                          |
| B280375<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | <10<br><10<br><10<br>20 | 96<br>92<br>88<br>100    | <10<br><10<br><10<br>20 | 64<br>62<br>58<br>68     |
| B280410<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                          |                         |                          |
| B280413<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | <10<br><10<br><10<br>20 | 52<br>51<br>48<br>55     | <10<br><10<br><10<br>20 | 29<br>29<br>26<br>32     |
| B280430<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                          |                         |                          |
| B280450<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                          |                         |                          |
| B280451<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          | <10<br><10<br><10<br>20 | 121<br>116<br>112<br>125 | <10<br><10<br><10<br>20 | 109<br>105<br>100<br>114 |
| B280485<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                         |                          |                         |                          |



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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**QC CERTIFICATE OF ANALYSIS TM20066548**

| Sample Description         | Method Analyte Units LOD | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |
|----------------------------|--------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                            |                          | Au ppm  | Ag ppm   | Al %     | As ppm   | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   | K %  |
|                            |                          | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       | 0.01 |
| <b>DUPLICATES</b>          |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| B280489                    |                          |         | <0.5     | 7.04     | <5       | 2260     | 2.6      | <2       | 2.70     | <0.5     | 11       | 46       | 60       | 2.52     | 20       | 2.92 |
| DUP                        |                          |         | <0.5     | 7.07     | <5       | 2280     | 2.6      | 2        | 2.69     | <0.5     | 12       | 45       | 57       | 2.54     | 20       | 2.92 |
| Target Range - Lower Bound |                          |         | <0.5     | 6.69     | <5       | 2090     | 2.0      | <2       | 2.55     | <0.5     | 10       | 42       | 55       | 2.39     | <10      | 2.76 |
| Upper Bound                |                          |         | 1.0      | 7.42     | 10       | 2450     | 3.2      | 4        | 2.84     | 1.0      | 13       | 49       | 62       | 2.67     | 30       | 3.08 |
| B280505                    |                          | 0.12    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | 0.06    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 0.08    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.10    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| B280525                    |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.02    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| B280527                    |                          |         | <0.5     | 8.00     | <5       | 1820     | 2.6      | <2       | 1.90     | <0.5     | 9        | 43       | 28       | 1.93     | 20       | 0.56 |
| DUP                        |                          |         | <0.5     | 8.11     | <5       | 1830     | 2.6      | <2       | 1.95     | 0.6      | 10       | 44       | 27       | 1.94     | 20       | 0.56 |
| Target Range - Lower Bound |                          |         | <0.5     | 7.64     | <5       | 1680     | 2.0      | <2       | 1.82     | <0.5     | 8        | 40       | 26       | 1.83     | <10      | 0.52 |
| Upper Bound                |                          |         | 1.0      | 8.47     | 10       | 1970     | 3.2      | 4        | 2.03     | 1.0      | 11       | 47       | 29       | 2.04     | 30       | 0.60 |
| ORIGINAL                   |                          | 2.94    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | 2.80    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | 2.67    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 2.97    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| ORIGINAL                   |                          | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| DUP                        |                          | 0.01    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Target Range - Lower Bound |                          | <0.01   |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Upper Bound                |                          | 0.03    |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| <b>PREP DUPLICATES</b>     |                          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| B280359                    |                          | <0.01   | <0.5     | 7.52     | <5       | 2050     | 2.3      | 2        | 3.39     | <0.5     | 19       | 99       | 26       | 3.80     | 20       | 2.75 |
| B280359 PREP DUP           |                          | <0.01   | <0.5     | 7.78     | <5       | 2040     | 2.3      | <2       | 3.42     | <0.5     | 20       | 108      | 25       | 3.88     | 20       | 2.79 |
| B280445                    |                          | <0.01   | <0.5     | 7.93     | <5       | 2860     | 2.3      | 2        | 2.34     | <0.5     | 14       | 50       | 34       | 2.95     | 20       | 2.54 |
| B280445 PREP DUP           |                          | <0.01   | <0.5     | 7.80     | <5       | 2880     | 2.3      | 3        | 2.51     | <0.5     | 15       | 62       | 39       | 3.05     | 20       | 2.62 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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| Sample Description         | Method<br>Analyte<br>Units<br>LOD | ME-ICP61  | ME-ICP61 | ME-ICP61  | ME-ICP61  | ME-ICP61 | ME-ICP61  | ME-ICP61 | ME-ICP61  | ME-ICP61 | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61 |           |
|----------------------------|-----------------------------------|-----------|----------|-----------|-----------|----------|-----------|----------|-----------|----------|-----------|-----------|-----------|-----------|----------|-----------|
|                            |                                   | La<br>ppm | Mg<br>%  | Mn<br>ppm | Mo<br>ppm | Na<br>%  | Ni<br>ppm | P<br>ppm | Pb<br>ppm | S<br>%   | Sb<br>ppm | Sc<br>ppm | Sr<br>ppm | Th<br>ppm | Ti<br>%  | Tl<br>ppm |
|                            |                                   | 10        | 0.01     | 5         | 1         | 0.01     | 1         | 10       | 2         | 0.01     | 5         | 1         | 1         | 20        | 0.01     | 10        |
| <b>DUPLICATES</b>          |                                   |           |          |           |           |          |           |          |           |          |           |           |           |           |          |           |
| B280489                    |                                   | 30        | 1.22     | 602       | <1        | 3.52     | 25        | 1070     | 28        | 0.38     | <5        | 7         | 1580      | <20       | 0.20     | <10       |
| DUP                        |                                   | 30        | 1.22     | 602       | <1        | 3.50     | 24        | 1070     | 31        | 0.40     | <5        | 7         | 1595      | <20       | 0.20     | <10       |
| Target Range - Lower Bound |                                   | 20        | 1.15     | 567       | <1        | 3.32     | 22        | 1010     | 26        | 0.36     | <5        | 6         | 1505      | <20       | 0.18     | <10       |
| Upper Bound                |                                   | 40        | 1.29     | 637       | 2         | 3.70     | 27        | 1130     | 33        | 0.42     | 10        | 8         | 1670      | 40        | 0.22     | 20        |
| B280505                    |                                   |           |          |           |           |          |           |          |           |          |           |           |           |           |          |           |
| DUP                        |                                   |           |          |           |           |          |           |          |           |          |           |           |           |           |          |           |
| Target Range - Lower Bound |                                   |           |          |           |           |          |           |          |           |          |           |           |           |           |          |           |
| Upper Bound                |                                   |           |          |           |           |          |           |          |           |          |           |           |           |           |          |           |
| B280525                    |                                   |           |          |           |           |          |           |          |           |          |           |           |           |           |          |           |
| DUP                        |                                   |           |          |           |           |          |           |          |           |          |           |           |           |           |          |           |
| Target Range - Lower Bound |                                   |           |          |           |           |          |           |          |           |          |           |           |           |           |          |           |
| Upper Bound                |                                   |           |          |           |           |          |           |          |           |          |           |           |           |           |          |           |
| B280527                    |                                   | 30        | 1.01     | 438       | <1        | 6.28     | 28        | 730      | 29        | 0.27     | <5        | 5         | 1480      | <20       | 0.13     | <10       |
| DUP                        |                                   | 30        | 1.03     | 442       | <1        | 6.28     | 26        | 730      | 30        | 0.27     | <5        | 5         | 1485      | <20       | 0.13     | <10       |
| Target Range - Lower Bound |                                   | 20        | 0.96     | 413       | <1        | 5.96     | 25        | 680      | 26        | 0.25     | <5        | 4         | 1405      | <20       | 0.11     | <10       |
| Upper Bound                |                                   | 40        | 1.08     | 467       | 2         | 6.60     | 29        | 780      | 33        | 0.29     | 10        | 6         | 1560      | 40        | 0.15     | 20        |
| ORIGINAL                   |                                   |           |          |           |           |          |           |          |           |          |           |           |           |           |          |           |
| DUP                        |                                   |           |          |           |           |          |           |          |           |          |           |           |           |           |          |           |
| Target Range - Lower Bound |                                   |           |          |           |           |          |           |          |           |          |           |           |           |           |          |           |
| Upper Bound                |                                   |           |          |           |           |          |           |          |           |          |           |           |           |           |          |           |
| ORIGINAL                   |                                   |           |          |           |           |          |           |          |           |          |           |           |           |           |          |           |
| DUP                        |                                   |           |          |           |           |          |           |          |           |          |           |           |           |           |          |           |
| Target Range - Lower Bound |                                   |           |          |           |           |          |           |          |           |          |           |           |           |           |          |           |
| Upper Bound                |                                   |           |          |           |           |          |           |          |           |          |           |           |           |           |          |           |
| <b>PREP DUPLICATES</b>     |                                   |           |          |           |           |          |           |          |           |          |           |           |           |           |          |           |
| B280359                    |                                   | 40        | 2.23     | 769       | <1        | 3.71     | 35        | 1500     | 25        | 0.03     | 5         | 12        | 1035      | <20       | 0.31     | <10       |
| B280359 PREP DUP           |                                   | 40        | 2.36     | 793       | <1        | 3.76     | 41        | 1530     | 29        | 0.03     | <5        | 13        | 1035      | <20       | 0.31     | <10       |
| B280445                    |                                   | 40        | 1.38     | 559       | 1         | 4.11     | 25        | 1250     | 58        | 0.65     | <5        | 9         | 2060      | <20       | 0.20     | <10       |
| B280445 PREP DUP           |                                   | 40        | 1.48     | 609       | <1        | 4.07     | 30        | 1240     | 47        | 0.54     | <5        | 9         | 2030      | <20       | 0.21     | <10       |

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20066548**

| Sample Description         | Method Analyte Units LOD | ME-ICP61 U ppm | ME-ICP61 V ppm | ME-ICP61 W ppm | ME-ICP61 Zn ppm |
|----------------------------|--------------------------|----------------|----------------|----------------|-----------------|
|                            |                          | 10             | 1              | 10             | 2               |
| <b>DUPLICATES</b>          |                          |                |                |                |                 |
| B280489                    |                          | <10            | 76             | <10            | 66              |
| DUP                        |                          | <10            | 76             | <10            | 65              |
| Target Range - Lower Bound |                          | <10            | 71             | <10            | 60              |
| Upper Bound                |                          | 20             | 81             | 20             | 71              |
| B280505                    |                          |                |                |                |                 |
| DUP                        |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| B280525                    |                          |                |                |                |                 |
| DUP                        |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| B280527                    |                          | <10            | 49             | <10            | 51              |
| DUP                        |                          | <10            | 49             | <10            | 87              |
| Target Range - Lower Bound |                          | <10            | 46             | <10            | 64              |
| Upper Bound                |                          | 20             | 52             | 20             | 74              |
| ORIGINAL                   |                          |                |                |                |                 |
| DUP                        |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| ORIGINAL                   |                          |                |                |                |                 |
| DUP                        |                          |                |                |                |                 |
| Target Range - Lower Bound |                          |                |                |                |                 |
| Upper Bound                |                          |                |                |                |                 |
| <b>PREP DUPLICATES</b>     |                          |                |                |                |                 |
| B280359                    |                          | <10            | 104            | <10            | 74              |
| B280359 PREP DUP           |                          | <10            | 106            | <10            | 81              |
| B280445                    |                          | <10            | 89             | <10            | 75              |
| B280445 PREP DUP           |                          | <10            | 89             | <10            | 84              |



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**QC CERTIFICATE OF ANALYSIS TM20066548**

| Sample Description     | Method | Analyte | Units | LOD | Au-AA26 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |      |     |      |
|------------------------|--------|---------|-------|-----|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|-----|------|
|                        |        |         |       |     | Au      | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe   | Ga  | K    |
|                        |        |         |       |     | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %    | ppm | %    |
|                        |        |         |       |     | 0.01    | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01 | 10  | 0.01 |
| <b>PREP DUPLICATES</b> |        |         |       |     |         |          |          |          |          |          |          |          |          |          |          |          |      |     |      |
| B280531                |        |         |       |     | <0.01   | <0.5     | 3.85     | <5       | 230      | 2.0      | 4        | 4.21     | 0.6      | 79       | 1565     | 113      | 7.55 | 20  | 3.70 |
| B280531 PREP DUP       |        |         |       |     | <0.01   | <0.5     | 3.58     | <5       | 220      | 1.9      | 4        | 3.93     | 0.5      | 72       | 1505     | 105      | 6.93 | 20  | 3.40 |





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**QC CERTIFICATE OF ANALYSIS TM20066548**

| Sample Description | Method                 | Analyte | Units | LOD | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |     |     |      |     |
|--------------------|------------------------|---------|-------|-----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|-----|------|-----|
|                    |                        |         |       |     | La       | Mg       | Mn       | Mo       | Na       | Ni       | P        | Pb       | S        | Sb       | Sc       | Sr  | Th  | Ti   | Tl  |
|                    |                        |         |       |     | ppm      | %        | ppm      | ppm      | %        | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm | ppm | %    | ppm |
|                    |                        |         |       |     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1   | 20  | 0.01 | 10  |
|                    | <b>PREP DUPLICATES</b> |         |       |     |          |          |          |          |          |          |          |          |          |          |          |     |     |      |     |
| B280531            |                        |         |       |     | <10      | 11.30    | 1395     | 2        | 0.71     | 758      | 100      | 27       | 0.37     | <5       | 25       | 170 | <20 | 0.23 | <10 |
| B280531 PREP DUP   |                        |         |       |     | <10      | 10.65    | 1295     | 1        | 0.68     | 709      | 80       | 21       | 0.31     | <5       | 24       | 165 | <20 | 0.21 | <10 |



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**QC CERTIFICATE OF ANALYSIS TM20066548**

| Sample Description     | Method<br>Analyte<br>Units<br>LOD | ME-ICP61<br>U<br>ppm<br>10 | ME-ICP61<br>V<br>ppm<br>1 | ME-ICP61<br>W<br>ppm<br>10 | ME-ICP61<br>Zn<br>ppm<br>2 |
|------------------------|-----------------------------------|----------------------------|---------------------------|----------------------------|----------------------------|
| <b>PREP DUPLICATES</b> |                                   |                            |                           |                            |                            |
| B280531                |                                   | <10                        | 209                       | <10                        | 141                        |
| B280531 PREP DUP       |                                   | <10                        | 199                       | <10                        | 133                        |
|                        |                                   |                            |                           |                            |                            |



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**QC CERTIFICATE OF ANALYSIS TM20066548**

| <b>CERTIFICATE COMMENTS</b> |                                                                                                                                                                                                                                                                                                                                                                                           |        |        |        |        |        |        |        |        |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
|                             | <b>LABORATORY ADDRESSES</b>                                                                                                                                                                                                                                                                                                                                                               |        |        |        |        |        |        |        |        |
| Applies to Method:          | <p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.<br/>           Au-AA26 ME-ICP61</p>                                                                                                                                                                                                                                                             |        |        |        |        |        |        |        |        |
| Applies to Method:          | <p>Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-21</td> <td style="width: 17%;">LOG-23</td> </tr> <tr> <td>PUL-31</td> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> </tr> </table> | CRU-31 | CRU-QC | LOG-21 | LOG-23 | PUL-31 | PUL-QC | SPL-21 | WEI-21 |
| CRU-31                      | CRU-QC                                                                                                                                                                                                                                                                                                                                                                                    | LOG-21 | LOG-23 |        |        |        |        |        |        |
| PUL-31                      | PUL-QC                                                                                                                                                                                                                                                                                                                                                                                    | SPL-21 | WEI-21 |        |        |        |        |        |        |



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**CERTIFICATE TM20070190**

Project: Golden Perimeter

This report is for 8 Drill Core samples submitted to our lab in Timmins, ON, Canada on 25-MAR-2020.

The following have access to data associated with this certificate:

|                |              |              |
|----------------|--------------|--------------|
| IAN DUNLOP     | DARWIN GREEN | NEAL MAGUIRE |
| CONOR MCKINLEY |              |              |

| SAMPLE PREPARATION |                               |
|--------------------|-------------------------------|
| ALS CODE           | DESCRIPTION                   |
| FND-02             | Find Sample for Addn Analysis |

| ANALYTICAL PROCEDURES |                                 |            |
|-----------------------|---------------------------------|------------|
| ALS CODE              | DESCRIPTION                     | INSTRUMENT |
| ME-XRF26              | Whole Rock By Fusion/XRF        | XRF        |
| OA-GRA05x             | LOI for XRF                     | WST-SEQ    |
| ME-MS42               | Up to 34 elements by ICP-MS     | ICP-MS     |
| S-IR08                | Total Sulphur (IR Spectroscopy) | LECO       |
| C-IR07                | Total Carbon (IR Spectroscopy)  | LECO       |
| ME-MS81               | Lithium Borate Fusion ICP-MS    | ICP-MS     |
| ME-4ACD81             | Base Metals by 4-acid dig.      | ICP-AES    |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

**Signature:**   
 Saa Traxler, General Manager, North Vancouver



ALS Canada Ltd.  
 2103 Dollarton Hwy  
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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20070190**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-XRF26   | ME-XRF26 | ME-XRF26 | ME-XRF26   | ME-XRF26   | ME-XRF26 | ME-XRF26 | ME-XRF26 | ME-XRF26  | ME-XRF26  | ME-XRF26  | ME-XRF26 | ME-XRF26  | ME-XRF26                   | ME-XRF26   |
|--------------------|-----------------------------------|------------|----------|----------|------------|------------|----------|----------|----------|-----------|-----------|-----------|----------|-----------|----------------------------|------------|
|                    |                                   | Al2O3<br>% | BaO<br>% | CaO<br>% | Cr2O3<br>% | Fe2O3<br>% | K2O<br>% | MgO<br>% | MnO<br>% | Na2O<br>% | P2O5<br>% | SiO2<br>% | SrO<br>% | TiO2<br>% | OA-GRA05x<br>LOI 1000<br>% | Total<br>% |
| B280303            |                                   | 15.42      | 0.27     | 3.79     | 0.01       | 4.70       | 3.49     | 2.96     | 0.09     | 5.20      | 0.30      | 61.86     | 0.14     | 0.43      | 0.96                       | 99.92      |
| B280346            |                                   | 13.18      | 0.20     | 5.51     | 0.02       | 5.45       | 1.75     | 4.82     | 0.08     | 5.93      | 0.70      | 53.55     | 0.27     | 0.77      | 6.88                       | 101.10     |
| B280357            |                                   | 14.64      | 0.22     | 4.78     | 0.02       | 6.00       | 3.21     | 4.18     | 0.11     | 4.81      | 0.36      | 59.24     | 0.12     | 0.57      | 1.15                       | 99.57      |
| B280395            |                                   | 14.04      | 0.21     | 5.72     | 0.02       | 5.89       | 1.96     | 5.10     | 0.09     | 5.21      | 0.69      | 56.12     | 0.10     | 0.80      | 3.30                       | 99.87      |
| B280435            |                                   | 12.48      | 0.07     | 0.92     | <0.01      | 1.28       | 1.08     | 0.57     | 0.02     | 6.57      | 0.05      | 74.89     | 0.08     | 0.11      | 1.24                       | 100.75     |
| B280489            |                                   | 15.02      | 0.25     | 3.71     | 0.01       | 3.73       | 3.55     | 2.34     | 0.08     | 4.80      | 0.25      | 60.04     | 0.18     | 0.37      | 5.21                       | 100.60     |
| B280517            |                                   | 12.54      | 0.27     | 6.26     | 0.03       | 5.49       | 1.36     | 5.35     | 0.09     | 6.13      | 0.71      | 52.12     | 0.21     | 0.75      | 7.81                       | 100.10     |
| B280536            |                                   | 4.88       | 0.01     | 5.70     | 0.29       | 9.53       | 0.49     | 24.8     | 0.15     | 0.17      | 0.03      | 39.45     | 0.01     | 0.27      | 13.22                      | 99.41      |



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**CERTIFICATE OF ANALYSIS TM20070190**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81          | ME-MS81          | ME-MS81         | ME-MS81           | ME-MS81           | ME-MS81           | ME-MS81           | ME-MS81          | ME-MS81           | ME-MS81        | ME-MS81          | ME-MS81           | ME-MS81          | ME-MS81           |                  |
|--------------------|-----------------------------------|------------------|------------------|-----------------|-------------------|-------------------|-------------------|-------------------|------------------|-------------------|----------------|------------------|-------------------|------------------|-------------------|------------------|
|                    |                                   | Ba<br>ppm<br>0.5 | Ce<br>ppm<br>0.1 | Cr<br>ppm<br>10 | Cs<br>ppm<br>0.01 | Dy<br>ppm<br>0.05 | Er<br>ppm<br>0.03 | Eu<br>ppm<br>0.02 | Ga<br>ppm<br>0.1 | Gd<br>ppm<br>0.05 | Ge<br>ppm<br>5 | Hf<br>ppm<br>0.1 | Ho<br>ppm<br>0.01 | La<br>ppm<br>0.1 | Lu<br>ppm<br>0.01 | Nb<br>ppm<br>0.1 |
| B280303            |                                   | 2420             | 111.5            | 80              | 0.56              | 2.84              | 1.45              | 2.00              | 20.8             | 4.89              | <5             | 3.9              | 0.46              | 56.9             | 0.18              | 5.1              |
| B280346            |                                   | 1755             | 250              | 150             | 1.20              | 3.77              | 1.35              | 3.74              | 18.2             | 9.25              | <5             | 5.0              | 0.55              | 115.0            | 0.12              | 8.0              |
| B280357            |                                   | 1955             | 113.5            | 120             | 0.53              | 3.31              | 1.64              | 2.00              | 19.9             | 5.84              | <5             | 4.2              | 0.56              | 54.6             | 0.19              | 5.3              |
| B280395            |                                   | 1860             | 243              | 140             | 2.19              | 4.13              | 1.37              | 3.75              | 18.4             | 9.34              | <5             | 5.4              | 0.59              | 111.0            | 0.13              | 8.3              |
| B280435            |                                   | 554              | 27.9             | 20              | 0.21              | 0.72              | 0.35              | 0.43              | 18.2             | 1.16              | <5             | 2.5              | 0.13              | 14.0             | 0.06              | 2.4              |
| B280489            |                                   | 2210             | 91.3             | 60              | 0.99              | 2.74              | 1.14              | 1.38              | 17.1             | 4.74              | <5             | 4.1              | 0.43              | 45.7             | 0.14              | 6.3              |
| B280517            |                                   | 2470             | 228              | 180             | 1.49              | 3.62              | 1.25              | 3.67              | 16.0             | 8.12              | <5             | 5.1              | 0.57              | 104.0            | 0.16              | 7.3              |
| B280536            |                                   | 13.7             | 1.5              | 2040            | 3.13              | 1.21              | 0.65              | 0.22              | 6.7              | 0.87              | <5             | 0.4              | 0.21              | 0.5              | 0.10              | 0.4              |



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 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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 Finalized Date: 13-APR-2020  
 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20070190**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81          | ME-MS81           | ME-MS81          | ME-MS81           | ME-MS81        | ME-MS81          | ME-MS81          | ME-MS81           | ME-MS81           | ME-MS81           | ME-MS81          | ME-MS81       | ME-MS81       | ME-MS81         |                   |
|--------------------|-----------------------------------|------------------|-------------------|------------------|-------------------|----------------|------------------|------------------|-------------------|-------------------|-------------------|------------------|---------------|---------------|-----------------|-------------------|
|                    |                                   | Nd<br>ppm<br>0.1 | Pr<br>ppm<br>0.02 | Rb<br>ppm<br>0.2 | Sm<br>ppm<br>0.03 | Sn<br>ppm<br>1 | Sr<br>ppm<br>0.1 | Ta<br>ppm<br>0.1 | Tb<br>ppm<br>0.01 | Th<br>ppm<br>0.05 | Tm<br>ppm<br>0.01 | U<br>ppm<br>0.05 | V<br>ppm<br>5 | W<br>ppm<br>1 | Y<br>ppm<br>0.1 | Yb<br>ppm<br>0.03 |
| B280303            |                                   | 52.7             | 13.00             | 74.0             | 8.56              | 1              | 1180             | 0.2              | 0.58              | 9.94              | 0.15              | 2.73             | 97            | 1             | 14.0            | 1.26              |
| B280346            |                                   | 125.5            | 29.8              | 43.1             | 17.70             | 1              | 2460             | 0.3              | 0.82              | 9.38              | 0.17              | 3.65             | 89            | 6             | 15.3            | 1.04              |
| B280357            |                                   | 58.0             | 13.45             | 77.5             | 9.74              | 1              | 1050             | 0.1              | 0.66              | 8.82              | 0.15              | 4.55             | 124           | 1             | 15.0            | 1.72              |
| B280395            |                                   | 121.5            | 30.1              | 62.5             | 17.10             | 1              | 805              | 0.3              | 0.91              | 9.90              | 0.15              | 3.32             | 95            | 2             | 16.1            | 1.13              |
| B280435            |                                   | 13.0             | 3.18              | 19.8             | 2.17              | <1             | 661              | <0.1             | 0.13              | 13.75             | 0.04              | 3.67             | 13            | 2             | 4.0             | 0.42              |
| B280489            |                                   | 44.9             | 11.05             | 84.2             | 6.69              | 1              | 1490             | 0.3              | 0.58              | 9.69              | 0.14              | 3.86             | 75            | 5             | 12.8            | 1.38              |
| B280517            |                                   | 118.0            | 28.2              | 42.3             | 17.45             | 1              | 1725             | 0.2              | 0.82              | 8.87              | 0.18              | 2.83             | 86            | 2             | 14.6            | 1.05              |
| B280536            |                                   | 1.4              | 0.22              | 28.8             | 0.58              | <1             | 68.7             | <0.1             | 0.16              | <0.05             | 0.08              | 0.07             | 122           | 3             | 5.4             | 0.60              |



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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 Account: GOLHIGH

Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20070190**

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-MS81        | ME-4ACD81        | ME-4ACD81        | ME-4ACD81      | ME-4ACD81      | ME-4ACD81       | ME-4ACD81      | ME-4ACD81      | ME-4ACD81      | ME-4ACD81      | ME-4ACD81      | ME-MS42          | ME-MS42           | ME-MS42            | ME-MS42            |
|--------------------|-----------------------------------|----------------|------------------|------------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|------------------|-------------------|--------------------|--------------------|
|                    |                                   | Zr<br>ppm<br>2 | Ag<br>ppm<br>0.5 | Cd<br>ppm<br>0.5 | Co<br>ppm<br>1 | Cu<br>ppm<br>1 | Li<br>ppm<br>10 | Mo<br>ppm<br>1 | Ni<br>ppm<br>1 | Pb<br>ppm<br>2 | Sc<br>ppm<br>1 | Zn<br>ppm<br>2 | As<br>ppm<br>0.1 | Bi<br>ppm<br>0.01 | Hg<br>ppm<br>0.005 | In<br>ppm<br>0.005 |
| B280303            |                                   | 159            | <0.5             | <0.5             | 14             | 8              | 10              | <1             | 22             | 23             | 10             | 65             | 0.2              | 0.11              | <0.005             | 0.005              |
| B280346            |                                   | 227            | <0.5             | <0.5             | 22             | 8              | 20              | 3              | 127            | 10             | 9              | 89             | <0.1             | 0.21              | <0.005             | 0.031              |
| B280357            |                                   | 151            | <0.5             | <0.5             | 20             | 12             | 10              | <1             | 39             | 28             | 13             | 80             | 0.2              | 0.08              | <0.005             | 0.009              |
| B280395            |                                   | 229            | <0.5             | <0.5             | 23             | 30             | 20              | <1             | 125            | 19             | 11             | 93             | 0.4              | 0.17              | <0.005             | 0.023              |
| B280435            |                                   | 60             | <0.5             | <0.5             | 4              | 28             | <10             | 4              | 6              | 37             | 1              | 8              | <0.1             | 0.51              | <0.005             | <0.005             |
| B280489            |                                   | 152            | <0.5             | <0.5             | 11             | 54             | 10              | <1             | 24             | 25             | 7              | 60             | 0.1              | 0.19              | <0.005             | 0.014              |
| B280517            |                                   | 220            | <0.5             | <0.5             | 24             | 38             | 20              | 1              | 148            | 21             | 11             | 82             | 0.1              | 0.13              | <0.005             | 0.027              |
| B280536            |                                   | 13             | <0.5             | <0.5             | 88             | 34             | 20              | <1             | 1360           | 4              | 17             | 65             | 0.2              | 0.08              | <0.005             | 0.020              |





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 North Vancouver BC V7H 0A7  
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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20070190**

| Sample Description | Method  | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 | S-IR08 | C-IR07 |
|--------------------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
|                    | Analyte | Re      | Sb      | Sc      | Se      | Te      | Tl      | S      | C      |
| Units              |         | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | %      | %      |
| LOD                |         | 0.001   | 0.05    | 0.1     | 0.2     | 0.01    | 0.02    | 0.01   | 0.01   |
| B280303            |         | <0.001  | <0.05   | 1.2     | <0.2    | <0.01   | 0.04    | 0.09   | 0.14   |
| B280346            |         | <0.001  | <0.05   | 7.4     | <0.2    | 0.14    | 0.18    | 0.69   | 1.88   |
| B280357            |         | <0.001  | <0.05   | 1.8     | 0.2     | <0.01   | 0.04    | 0.03   | 0.15   |
| B280395            |         | <0.001  | <0.05   | 4.5     | <0.2    | 0.02    | 0.34    | 0.19   | 0.62   |
| B280435            |         | 0.001   | <0.05   | 0.9     | <0.2    | 0.07    | <0.02   | 0.52   | 0.32   |
| B280489            |         | <0.001  | <0.05   | 3.9     | 0.3     | 0.03    | 0.04    | 0.36   | 1.33   |
| B280517            |         | <0.001  | <0.05   | 8.8     | 0.2     | 0.04    | 0.29    | 0.32   | 2.21   |
| B280536            |         | <0.001  | <0.05   | 13.0    | 0.2     | 0.03    | 0.24    | 0.06   | 2.43   |



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North Vancouver BC V7H 0A7  
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Project: Golden Perimeter

**CERTIFICATE OF ANALYSIS TM20070190**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
C-IR07 FND-02 ME-4ACD81  
ME-MS81 ME-XRF26 OA-GRA05x

ME-MS42  
S-IR08



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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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**QC CERTIFICATE TM20070190**

Project: Golden Perimeter

This report is for 8 Drill Core samples submitted to our lab in Timmins, ON, Canada on 25-MAR-2020.

The following have access to data associated with this certificate:

|                              |              |              |
|------------------------------|--------------|--------------|
| IAN DUNLOP<br>CONOR MCKINLEY | DARWIN GREEN | NEAL MAGUIRE |
|------------------------------|--------------|--------------|

| SAMPLE PREPARATION |                               |
|--------------------|-------------------------------|
| ALS CODE           | DESCRIPTION                   |
| FND-02             | Find Sample for Addn Analysis |

| ANALYTICAL PROCEDURES |                                 |            |
|-----------------------|---------------------------------|------------|
| ALS CODE              | DESCRIPTION                     | INSTRUMENT |
| ME-XRF26              | Whole Rock By Fusion/XRF        | XRF        |
| OA-GRA05x             | LOI for XRF                     | WST-SEQ    |
| ME-MS42               | Up to 34 elements by ICP-MS     | ICP-MS     |
| S-IR08                | Total Sulphur (IR Spectroscopy) | LECO       |
| C-IR07                | Total Carbon (IR Spectroscopy)  | LECO       |
| ME-MS81               | Lithium Borate Fusion ICP-MS    | ICP-MS     |
| ME-4ACD81             | Base Metals by 4-acid dig.      | ICP-AES    |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

**Signature:**   
 Saa Traxler, General Manager, North Vancouver



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
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**QC CERTIFICATE OF ANALYSIS TM20070190**

| Method Analyte Units LOD   | ME-XRF26 Al2O3 % | ME-XRF26 BaO % | ME-XRF26 CaO % | ME-XRF26 Cr2O3 % | ME-XRF26 Fe2O3 % | ME-XRF26 K2O % | ME-XRF26 MgO % | ME-XRF26 MnO % | ME-XRF26 Na2O % | ME-XRF26 P2O5 % | ME-XRF26 SiO2 % | ME-XRF26 SrO % | ME-XRF26 TiO2 % | OA-GRA05x LOI 1000 % | ME-XRF26 Total % |
|----------------------------|------------------|----------------|----------------|------------------|------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------------|------------------|
| Sample Description         | 0.01             | 0.01           | 0.01           | 0.01             | 0.01             | 0.01           | 0.01           | 0.01           | 0.01            | 0.01            | 0.01            | 0.01           | 0.01            | 0.01                 | 0.01             |
| <b>STANDARDS</b>           |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| AMIS0547                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 38.09            |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 36.19            |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 40.02            |
| DS-1                       |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| GS313-8                    |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| MGeo08                     |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 146                  |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 146                  |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 218                  | 13.35            | 0.02           | 10.10          | 0.03             | 12.12            | 0.22           | 7.17           | 0.19           | 2.93            | 0.10            | 48.90           | 0.02           | 1.12            |                      | 96.76            |
| Target Range - Lower Bound | 13.04            | <0.01          | 9.73           | <0.01            | 11.63            | 0.20           | 6.81           | 0.16           | 2.75            | 0.07            | 48.02           | <0.01          | 1.04            |                      | <0.01            |
| Upper Bound                | 13.96            | 0.04           | 10.45          | 0.05             | 12.47            | 0.26           | 7.39           | 0.22           | 3.05            | 0.13            | 50.38           | 0.03           | 1.20            |                      | 0.02             |
| OREAS 220                  | 13.48            | 0.02           | 9.63           | 0.04             | 11.35            | 0.46           | 7.16           | 0.17           | 2.75            | 0.18            | 49.79           | 0.03           | 1.28            |                      | 96.87            |
| Target Range - Lower Bound | 13.12            | <0.01          | 9.28           | 0.02             | 11.00            | 0.42           | 6.92           | 0.14           | 2.60            | 0.15            | 49.10           | <0.01          | 1.19            |                      | <0.01            |
| Upper Bound                | 14.04            | 0.05           | 10.00          | 0.06             | 11.80            | 0.51           | 7.50           | 0.20           | 2.90            | 0.21            | 51.50           | 0.05           | 1.37            |                      | 0.02             |
| OREAS 602                  |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS 920                  |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS-45d                  |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| OREAS-45e                  |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 8.49             |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 8.11             |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 8.99             |
| SY-4                       |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| SY-4                       |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |

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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM20070190**

| Sample Description         | Method<br>Analyte<br>Units<br>LOD | ME-MS81<br>Ba<br>ppm<br>0.5 | ME-MS81<br>Ce<br>ppm<br>0.1 | ME-MS81<br>Cr<br>ppm<br>10 | ME-MS81<br>Cs<br>ppm<br>0.01 | ME-MS81<br>Dy<br>ppm<br>0.05 | ME-MS81<br>Er<br>ppm<br>0.03 | ME-MS81<br>Eu<br>ppm<br>0.02 | ME-MS81<br>Ga<br>ppm<br>0.1 | ME-MS81<br>Gd<br>ppm<br>0.05 | ME-MS81<br>Ge<br>ppm<br>5 | ME-MS81<br>Hf<br>ppm<br>0.1 | ME-MS81<br>Ho<br>ppm<br>0.01 | ME-MS81<br>La<br>ppm<br>0.1 | ME-MS81<br>Lu<br>ppm<br>0.01 | ME-MS81<br>Nb<br>ppm<br>0.1 |
|----------------------------|-----------------------------------|-----------------------------|-----------------------------|----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|------------------------------|---------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|-----------------------------|
| <b>STANDARDS</b>           |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| AMIS0547                   |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| DS-1                       |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| GS313-8                    |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| MGeo08                     |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| OREAS 146                  |                                   | >10000                      | 4960                        | 200                        | 0.55                         | 227                          | 80.2                         | 127.0                        | 16.6                        | 342                          | <5                        | 4.2                         | 34.5                         | 2620                        | 5.90                         | 389                         |
| OREAS 146                  |                                   | >10000                      | 4820                        | 190                        | 0.45                         | 217                          | 81.4                         | 125.5                        | 18.1                        | 329                          | <5                        | 4.0                         | 33.8                         | 2510                        | 5.86                         | 386                         |
| Target Range - Lower Bound |                                   | 11450                       | 4220                        | 160                        | 0.47                         | 202                          | 78.3                         | 114.5                        | 26.2                        | 323                          | <5                        | 3.7                         | 33.1                         | 2260                        | 5.66                         | 349                         |
| Upper Bound                |                                   | >10000                      | 5160                        | 220                        | 0.59                         | 246                          | 95.7                         | 139.5                        | 32.2                        | 395                          | 15                        | 4.7                         | 40.5                         | 2760                        | 6.94                         | 427                         |
| OREAS 218                  |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| OREAS 220                  |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| OREAS 602                  |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| OREAS 920                  |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| OREAS-45d                  |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| OREAS-45e                  |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| SY-4                       |                                   | 339                         | 122.5                       | 10                         | 1.37                         | 19.80                        | 15.45                        | 1.84                         | 37.5                        | 14.55                        | <5                        | 11.2                        | 4.22                         | 57.5                        | 2.12                         | 13.1                        |
| SY-4                       |                                   | 343                         | 115.5                       | 10                         | 1.62                         | 17.95                        | 13.95                        | 1.82                         | 36.8                        | 13.75                        | <5                        | 11.1                        | 4.05                         | 54.3                        | 1.90                         | 13.3                        |
| Target Range - Lower Bound |                                   | 306                         | 109.5                       | <10                        | 1.34                         | 16.35                        | 12.75                        | 1.78                         | 33.1                        | 12.55                        | <5                        | 9.9                         | 3.86                         | 52.1                        | 1.88                         | 11.6                        |
| Upper Bound                |                                   | 375                         | 134.5                       | 30                         | 1.66                         | 20.1                         | 15.65                        | 2.22                         | 40.7                        | 15.45                        | 12                        | 12.3                        | 4.74                         | 63.9                        | 2.32                         | 14.4                        |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20070190**

| Sample Description         | Method Analyte Units LOD | ME-MS81<br>Nd<br>ppm<br>0.1 | ME-MS81<br>Pr<br>ppm<br>0.02 | ME-MS81<br>Rb<br>ppm<br>0.2 | ME-MS81<br>Sm<br>ppm<br>0.03 | ME-MS81<br>Sn<br>ppm<br>1 | ME-MS81<br>Sr<br>ppm<br>0.1 | ME-MS81<br>Ta<br>ppm<br>0.1 | ME-MS81<br>Tb<br>ppm<br>0.01 | ME-MS81<br>Th<br>ppm<br>0.05 | ME-MS81<br>Tm<br>ppm<br>0.01 | ME-MS81<br>U<br>ppm<br>0.05 | ME-MS81<br>V<br>ppm<br>5 | ME-MS81<br>W<br>ppm<br>1 | ME-MS81<br>Y<br>ppm<br>0.1 | ME-MS81<br>Yb<br>ppm<br>0.03 |
|----------------------------|--------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|---------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|--------------------------|--------------------------|----------------------------|------------------------------|
| <b>STANDARDS</b>           |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| AMIS0547                   |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| DS-1                       |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| GS313-8                    |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| MGeo08                     |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| OREAS 146                  |                          | 2330                        | 550                          | 26.6                        | 461                          | 46                        | 3360                        | 3.7                         | 43.0                         | 959                          | 9.41                         | 2.56                        | 160                      | 28                       | 885                        | 53.2                         |
| OREAS 146                  |                          | 2390                        | 572                          | 24.8                        | 457                          | 44                        | 3070                        | 4.2                         | 43.9                         | 911                          | 9.16                         | 2.46                        | 150                      | 29                       | 914                        | 50.0                         |
| Target Range - Lower Bound |                          | 1965                        | 493                          | 23.7                        | 397                          | 40                        | 2790                        | 3.6                         | 42.5                         | 813                          | 8.90                         | 2.37                        | 140                      | 25                       | 814                        | 48.1                         |
| Upper Bound                |                          | 2400                        | 603                          | 29.5                        | 485                          | 52                        | 3410                        | 4.6                         | 51.9                         | 993                          | 10.90                        | 3.01                        | 182                      | 33                       | 996                        | 58.9                         |
| OREAS 218                  |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| OREAS 220                  |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| OREAS 602                  |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| OREAS 920                  |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| OREAS-45d                  |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| OREAS-45e                  |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Target Range - Lower Bound |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| Upper Bound                |                          |                             |                              |                             |                              |                           |                             |                             |                              |                              |                              |                             |                          |                          |                            |                              |
| SY-4                       |                          | 61.1                        | 14.50                        | 54.3                        | 13.40                        | 8                         | 1210                        | 0.6                         | 2.54                         | 0.99                         | 2.28                         | 0.82                        | 8                        | 1                        | 112.0                      | 15.50                        |
| SY-4                       |                          | 59.5                        | 14.50                        | 51.3                        | 13.25                        | 8                         | 1190                        | 0.8                         | 2.67                         | 1.12                         | 2.08                         | 0.76                        | 8                        | 1                        | 112.0                      | 14.50                        |
| Target Range - Lower Bound |                          | 51.2                        | 13.50                        | 49.3                        | 11.40                        | 6                         | 1070                        | 0.7                         | 2.33                         | 1.11                         | 2.06                         | 0.66                        | <5                       | <1                       | 107.0                      | 13.30                        |
| Upper Bound                |                          | 62.8                        | 16.50                        | 60.7                        | 14.00                        | 10                        | 1310                        | 1.1                         | 2.87                         | 1.47                         | 2.54                         | 0.94                        | 18                       | 3                        | 131.0                      | 16.30                        |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20070190**

| Sample Description | Method Analyte Units LOD   | ME-MS81<br>Zr<br>ppm<br>2 | ME-4ACD81<br>Ag<br>ppm<br>0.5 | ME-4ACD81<br>Cd<br>ppm<br>0.5 | ME-4ACD81<br>Co<br>ppm<br>1 | ME-4ACD81<br>Cu<br>ppm<br>1 | ME-4ACD81<br>Li<br>ppm<br>10 | ME-4ACD81<br>Mo<br>ppm<br>1 | ME-4ACD81<br>Ni<br>ppm<br>1 | ME-4ACD81<br>Pb<br>ppm<br>2 | ME-4ACD81<br>Sc<br>ppm<br>1 | ME-4ACD81<br>Zn<br>ppm<br>2 | ME-MS42<br>As<br>ppm<br>0.1 | ME-MS42<br>Bi<br>ppm<br>0.01 | ME-MS42<br>Hg<br>ppm<br>0.005 | ME-MS42<br>In<br>ppm<br>0.005 |
|--------------------|----------------------------|---------------------------|-------------------------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|
| <b>STANDARDS</b>   |                            |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| AMIS0547           | Target Range - Lower Bound |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| DS-1               | Target Range - Lower Bound |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| GS313-8            | Target Range - Lower Bound |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| MGeo08             | Target Range - Lower Bound | 4.5                       | 2.2                           | 21                            | 627                         | 40                          | 14                           | 705                         | 1065                        | 10                          | 802                         |                             |                             |                              |                               |                               |
|                    | Upper Bound                | 3.2                       | 1.1                           | 17                            | 586                         | <10                         | 12                           | 621                         | 969                         | 10                          | 722                         |                             |                             |                              |                               |                               |
| OREAS 146          | Target Range - Lower Bound | 5.6                       | 3.4                           | 23                            | 676                         | 50                          | 18                           | 761                         | 1190                        | 15                          | 886                         |                             |                             |                              |                               |                               |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| OREAS 146          | Target Range - Lower Bound | 244                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
|                    | Upper Bound                | 239                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| OREAS 218          | Target Range - Lower Bound | 204                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
|                    | Upper Bound                | 254                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| OREAS 220          | Target Range - Lower Bound |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| OREAS 602          | Target Range - Lower Bound | >100                      | 25.4                          | 10                            | 5070                        | 20                          | 4                            | 60                          | 1020                        | 4                           | 4090                        |                             |                             |                              |                               |                               |
|                    | Upper Bound                | 107.5                     | 21.7                          | 7                             | 4790                        | <10                         | 2                            | 53                          | 918                         | 2                           | 3770                        |                             |                             |                              |                               |                               |
| OREAS 920          | Target Range - Lower Bound | 100.0                     | 27.7                          | 12                            | 5510                        | 40                          | 7                            | 67                          | 1125                        | 6                           | 4610                        |                             |                             |                              |                               |                               |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 5.0                         | 1.11                         | 0.005                         | 0.030                         |
| OREAS-45d          | Target Range - Lower Bound |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 4.2                         | 0.60                         | <0.005                        | 0.019                         |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 5.4                         | 0.76                         | 0.010                         | 0.043                         |
| OREAS-45e          | Target Range - Lower Bound |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 7.1                         | 0.23                         | 0.033                         | 0.084                         |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 5.8                         | 0.26                         | 0.025                         | 0.071                         |
| SY-4               | Target Range - Lower Bound |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             | 7.3                         | 0.34                         | 0.053                         | 0.099                         |
|                    | Upper Bound                |                           |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| SY-4               | Target Range - Lower Bound | 570                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
|                    | Upper Bound                | 634                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
| SY-4               | Target Range - Lower Bound | 543                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |
|                    | Upper Bound                | 668                       |                               |                               |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                               |                               |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
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 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20070190**

| Sample Description         | Method Analyte Units LOD | ME-MS42<br>Re<br>ppm<br>0.001 | ME-MS42<br>Sb<br>ppm<br>0.05 | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02 | S-IR08<br>S<br>%<br>0.01 | C-IR07<br>C<br>%<br>0.01 |
|----------------------------|--------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------|--------------------------|
| <b>STANDARDS</b>           |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| AMIS0547                   |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| DS-1                       |                          |                               |                              |                             |                             |                              | 2.63                         | 3.14                     |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              | 2.51                         | 3.01                     |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              | 2.71                         | 3.25                     |                          |
| GS313-8                    |                          |                               |                              |                             |                             |                              | 1.25                         | 0.94                     |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              | 1.19                         | 0.90                     |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              | 1.29                         | 0.98                     |                          |
| MGeo08                     |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 146                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 218                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 220                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 602                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| OREAS 920                  |                          | <0.001                        | 0.65                         | 2.5                         | 0.3                         | 0.01                         | 0.15                         |                          |                          |
| Target Range - Lower Bound |                          | <0.001                        | 0.45                         | 2.5                         | <0.2                        | <0.01                        | 0.09                         |                          |                          |
| Upper Bound                |                          | 0.002                         | 0.77                         | 3.3                         | 0.6                         | 0.04                         | 0.20                         |                          |                          |
| OREAS-45d                  |                          | <0.001                        | 0.43                         | 43.6                        | 0.8                         | 0.06                         | 0.11                         |                          |                          |
| Target Range - Lower Bound |                          | <0.001                        | 0.22                         | 37.3                        | 0.7                         | 0.02                         | 0.07                         |                          |                          |
| Upper Bound                |                          | 0.003                         | 0.49                         | 45.8                        | 1.7                         | 0.06                         | 0.17                         |                          |                          |
| OREAS-45e                  |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| SY-4                       |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Target Range - Lower Bound |                          |                               |                              |                             |                             |                              |                              |                          |                          |
| Upper Bound                |                          |                               |                              |                             |                             |                              |                              |                          |                          |





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20070190**

| Method Analyte Units LOD   | ME-XRF26 Al2O3 % | ME-XRF26 BaO % | ME-XRF26 CaO % | ME-XRF26 Cr2O3 % | ME-XRF26 Fe2O3 % | ME-XRF26 K2O % | ME-XRF26 MgO % | ME-XRF26 MnO % | ME-XRF26 Na2O % | ME-XRF26 P2O5 % | ME-XRF26 SiO2 % | ME-XRF26 SrO % | ME-XRF26 TiO2 % | OA-GRA05x LOI 1000 % | ME-XRF26 Total % |
|----------------------------|------------------|----------------|----------------|------------------|------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------------|------------------|
| Sample Description         | 0.01             | 0.01           | 0.01           | 0.01             | 0.01             | 0.01           | 0.01           | 0.01           | 0.01            | 0.01            | 0.01            | 0.01           | 0.01            | 0.01                 | 0.01             |
| <b>BLANKS</b>              |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      | <0.01            | <0.01          | <0.01          | <0.01            | <0.01            | <0.01          | <0.01          | <0.01          | <0.01           | 0.01            | 99.17           | <0.01          | 0.01            |                      | 99.20            |
| Target Range - Lower Bound | <0.01            | <0.01          | <0.01          | <0.01            | <0.01            | <0.01          | <0.01          | <0.01          | <0.01           | <0.01           | <0.01           | <0.01          | <0.01           |                      | <0.01            |
| Upper Bound                | 0.02             | 0.02           | 0.02           | 0.02             | 0.02             | 0.02           | 0.02           | 0.02           | 0.02            | 0.02            | 0.02            | 0.02           | 0.02            |                      | 0.02             |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| BLANK                      |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| <b>DUPLICATES</b>          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| ORIGINAL                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| DUP                        |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| ORIGINAL                   |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| DUP                        |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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**QC CERTIFICATE OF ANALYSIS TM20070190**

| Method Analyte Units LOD   | ME-MS81 Ba ppm | ME-MS81 Ce ppm | ME-MS81 Cr ppm | ME-MS81 Cs ppm | ME-MS81 Dy ppm | ME-MS81 Er ppm | ME-MS81 Eu ppm | ME-MS81 Ga ppm | ME-MS81 Gd ppm | ME-MS81 Ge ppm | ME-MS81 Hf ppm | ME-MS81 Ho ppm | ME-MS81 La ppm | ME-MS81 Lu ppm | ME-MS81 Nb ppm |
|----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Sample Description         | 0.5            | 0.1            | 10             | 0.01           | 0.05           | 0.03           | 0.02           | 0.1            | 0.05           | 5              | 0.1            | 0.01           | 0.1            | 0.01           | 0.1            |
| <b>BLANKS</b>              |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      | 0.6            | <0.1           | <10            | 0.01           | <0.05          | <0.03          | <0.02          | <0.1           | <0.05          | <5             | <0.1           | 0.01           | 0.1            | 0.01           | <0.1           |
| BLANK                      | 1.7            | 0.1            | 10             | <0.01          | <0.05          | <0.03          | <0.02          | <0.1           | <0.05          | <5             | 0.1            | <0.01          | 0.1            | <0.01          | <0.1           |
| Target Range - Lower Bound | <0.5           | <0.1           | <10            | <0.01          | <0.05          | <0.03          | <0.02          | <0.1           | <0.05          |                | <0.1           | <0.01          | <0.1           | <0.01          | <0.1           |
| Upper Bound                | 1.0            | 0.2            | 20             | 0.02           | 0.10           | 0.06           | 0.04           | 0.2            | 0.10           |                | 0.2            | 0.02           | 0.2            | 0.02           | 0.2            |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| BLANK                      |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| <b>DUPLICATES</b>          |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| ORIGINAL                   |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| DUP                        |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Target Range - Lower Bound |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Upper Bound                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| ORIGINAL                   | 42.1           | 4.0            | 220            | 0.07           | 2.06           | 1.71           | 0.30           | 9.7            | 1.18           | <5             | 0.7            | 0.49           | 1.6            | 0.31           | 0.9            |
| DUP                        | 38.5           | 3.7            | 210            | 0.07           | 1.69           | 1.50           | 0.30           | 9.1            | 1.24           | <5             | 0.7            | 0.42           | 1.5            | 0.28           | 0.9            |
| Target Range - Lower Bound | 37.8           | 3.6            | 190            | 0.06           | 1.73           | 1.49           | 0.27           | 8.8            | 1.10           | <5             | 0.6            | 0.42           | 1.4            | 0.27           | 0.8            |
| Upper Bound                | 42.8           | 4.1            | 240            | 0.08           | 2.02           | 1.72           | 0.34           | 10.0           | 1.32           | 10             | 0.8            | 0.49           | 1.7            | 0.32           | 1.0            |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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**QC CERTIFICATE OF ANALYSIS TM20070190**

| Method Analyte Units LOD   | ME-MS81 Nd ppm 0.1 | ME-MS81 Pr ppm 0.02 | ME-MS81 Rb ppm 0.2 | ME-MS81 Sm ppm 0.03 | ME-MS81 Sn ppm 1 | ME-MS81 Sr ppm 0.1 | ME-MS81 Ta ppm 0.1 | ME-MS81 Tb ppm 0.01 | ME-MS81 Th ppm 0.05 | ME-MS81 Tm ppm 0.01 | ME-MS81 U ppm 0.05 | ME-MS81 V ppm 5 | ME-MS81 W ppm 1 | ME-MS81 Y ppm 0.1 | ME-MS81 Yb ppm 0.03 |
|----------------------------|--------------------|---------------------|--------------------|---------------------|------------------|--------------------|--------------------|---------------------|---------------------|---------------------|--------------------|-----------------|-----------------|-------------------|---------------------|
| <b>BLANKS</b>              |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| BLANK                      |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| BLANK                      |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| BLANK                      | 0.1                | <0.02               | <0.2               | <0.03               | <1               | 0.8                | <0.1               | 0.01                | <0.05               | <0.01               | <0.05              | <5              | 1               | <0.1              | <0.03               |
| BLANK                      | <0.1               | <0.02               | <0.2               | <0.03               | <1               | 0.7                | <0.1               | <0.01               | <0.05               | <0.01               | <0.05              | <5              | 1               | <0.1              | <0.03               |
| Target Range - Lower Bound | <0.1               | <0.02               | <0.2               | <0.03               | <1               | <0.1               | <0.1               | <0.01               | <0.05               | <0.01               | <0.05              | <5              | <1              | <0.1              | <0.03               |
| Upper Bound                | 0.2                | 0.04                | 0.4                | 0.06                | 2                | 0.2                | 0.2                | 0.02                | 0.10                | 0.02                | 0.10               | 10              | 2               | 0.2               | 0.06                |
| BLANK                      |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| BLANK                      |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| BLANK                      |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| <b>DUPLICATES</b>          |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| ORIGINAL                   |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| DUP                        |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Target Range - Lower Bound |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| Upper Bound                |                    |                     |                    |                     |                  |                    |                    |                     |                     |                     |                    |                 |                 |                   |                     |
| ORIGINAL                   | 3.0                | 0.56                | 1.3                | 0.91                | <1               | 51.3               | 0.1                | 0.25                | 0.20                | 0.26                | <0.05              | 173             | 5               | 13.0              | 2.03                |
| DUP                        | 3.2                | 0.50                | 1.3                | 0.94                | <1               | 47.9               | 0.1                | 0.26                | 0.14                | 0.21                | <0.05              | 167             | 13              | 11.9              | 1.85                |
| Target Range - Lower Bound | 2.8                | 0.48                | 1.0                | 0.85                | <1               | 47.0               | <0.1               | 0.23                | 0.11                | 0.21                | <0.05              | 157             | 8               | 11.7              | 1.81                |
| Upper Bound                | 3.4                | 0.58                | 1.6                | 1.00                | 2                | 52.2               | 0.2                | 0.28                | 0.23                | 0.26                | 0.10               | 184             | 10              | 13.2              | 2.07                |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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**QC CERTIFICATE OF ANALYSIS TM20070190**

| Method Analyte Units LOD   | ME-MS81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 |  |
|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|---------|---------|--|
| Sample Description         | Zr ppm  | Ag ppm    | Cd ppm    | Co ppm    | Cu ppm    | Li ppm    | Mo ppm    | Ni ppm    | Pb ppm    | Sc ppm    | Zn ppm    | As ppm  | Bi ppm  | Hg ppm  | In ppm  |  |
|                            | 2       | 0.5       | 0.5       | 1         | 1         | 10        | 1         | 1         | 2         | 1         | 2         | 0.1     | 0.01    | 0.005   | 0.005   |  |
| <b>BLANKS</b>              |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| BLANK                      | <0.5    | <0.5      | <1        | 1         | <10       | 1         | <1        | <2        | <1        | <2        |           |         |         |         |         |  |
| Target Range - Lower Bound | <0.5    | <0.5      | <1        | <1        |           | <1        | <1        | <2        |           | <2        |           |         |         |         |         |  |
| Upper Bound                | 1.0     | 1.0       | 2         | 2         |           | 2         | 2         | 4         |           | 4         |           |         |         |         |         |  |
| BLANK                      |         |           |           |           |           |           |           |           |           |           |           | <0.1    | <0.01   | <0.005  | <0.005  |  |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           | <0.1    | <0.01   | <0.005  | <0.005  |  |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           | 0.2     | 0.02    | 0.010   | 0.010   |  |
| BLANK                      | <2      |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| BLANK                      | 2       |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Target Range - Lower Bound | <2      |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Upper Bound                | 4       |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| BLANK                      |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| BLANK                      |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| BLANK                      |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| <b>DUPLICATES</b>          |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| ORIGINAL                   |         |           |           |           |           |           |           |           |           |           |           | 25.2    | 0.07    | 0.016   | 0.020   |  |
| DUP                        |         |           |           |           |           |           |           |           |           |           |           | 25.5    | 0.08    | 0.016   | 0.021   |  |
| Target Range - Lower Bound |         |           |           |           |           |           |           |           |           |           |           | 24.0    | 0.06    | 0.010   | 0.014   |  |
| Upper Bound                |         |           |           |           |           |           |           |           |           |           |           | 26.7    | 0.09    | 0.022   | 0.027   |  |
| ORIGINAL                   |         | <0.5      | <0.5      | 6         | 4         | 10        | 1         | 16        | 23        | 3         | 17        |         |         |         |         |  |
| DUP                        |         | <0.5      | <0.5      | 7         | 4         | 10        | 1         | 16        | 21        | 3         | 16        |         |         |         |         |  |
| Target Range - Lower Bound |         | <0.5      | <0.5      | 5         | 3         | <10       | <1        | 14        | 19        | 2         | 14        |         |         |         |         |  |
| Upper Bound                |         | 1.0       | 1.0       | 8         | 5         | 20        | 2         | 18        | 25        | 4         | 19        |         |         |         |         |  |
| ORIGINAL                   | 26      |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| DUP                        | 25      |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Target Range - Lower Bound | 22      |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |
| Upper Bound                | 29      |           |           |           |           |           |           |           |           |           |           |         |         |         |         |  |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: HIGHGOLD MINING  
 800 WEST PENDER ST, 320  
 VANCOUVER BC V6C 2V6

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**QC CERTIFICATE OF ANALYSIS TM20070190**

| Sample Description | Method Analyte Units LOD   | ME-MS42 Re ppm 0.001 | ME-MS42 Sb ppm 0.05 | ME-MS42 Sc ppm 0.1 | ME-MS42 Se ppm 0.2 | ME-MS42 Te ppm 0.01 | ME-MS42 Tl ppm 0.02 | S-IR08 S % 0.01 | C-IR07 C % 0.01 |
|--------------------|----------------------------|----------------------|---------------------|--------------------|--------------------|---------------------|---------------------|-----------------|-----------------|
| <b>BLANKS</b>      |                            |                      |                     |                    |                    |                     |                     |                 |                 |
| BLANK              | Target Range - Lower Bound |                      |                     |                    |                    |                     |                     |                 |                 |
|                    | Upper Bound                |                      |                     |                    |                    |                     |                     |                 |                 |
| BLANK              | Target Range - Lower Bound | <0.001               | <0.05               | <0.1               | <0.2               | <0.01               | <0.02               |                 |                 |
|                    | Upper Bound                | 0.002                | 0.10                | 0.2                | 0.4                | 0.02                | 0.04                |                 |                 |
| BLANK              | Target Range - Lower Bound |                      |                     |                    |                    |                     |                     |                 |                 |
|                    | Upper Bound                |                      |                     |                    |                    |                     |                     |                 |                 |
| BLANK              | Target Range - Lower Bound |                      |                     |                    |                    |                     |                     |                 |                 |
|                    | Upper Bound                |                      |                     |                    |                    |                     |                     |                 |                 |
| BLANK              | Target Range - Lower Bound |                      |                     |                    |                    |                     |                     |                 |                 |
|                    | Upper Bound                |                      |                     |                    |                    |                     |                     |                 |                 |
| BLANK              | Target Range - Lower Bound |                      |                     |                    |                    |                     |                     |                 |                 |
|                    | Upper Bound                |                      |                     |                    |                    |                     |                     |                 |                 |
| BLANK              | Target Range - Lower Bound |                      |                     |                    |                    |                     |                     |                 |                 |
|                    | Upper Bound                |                      |                     |                    |                    |                     |                     |                 |                 |
| BLANK              | Target Range - Lower Bound |                      |                     |                    |                    |                     |                     |                 |                 |
|                    | Upper Bound                |                      |                     |                    |                    |                     |                     |                 |                 |
| BLANK              | Target Range - Lower Bound |                      |                     |                    |                    |                     |                     |                 |                 |
|                    | Upper Bound                |                      |                     |                    |                    |                     |                     |                 |                 |
| BLANK              | Target Range - Lower Bound |                      |                     |                    |                    |                     |                     |                 |                 |
|                    | Upper Bound                |                      |                     |                    |                    |                     |                     |                 |                 |
| <b>DUPLICATES</b>  |                            |                      |                     |                    |                    |                     |                     |                 |                 |
| ORIGINAL           | Target Range - Lower Bound | 0.009                | 1.16                | 2.8                | 0.9                | 0.01                | 0.08                |                 |                 |
| DUP                | Upper Bound                | 0.010                | 1.25                | 2.6                | 0.9                | 0.01                | 0.08                |                 |                 |
| ORIGINAL           | Target Range - Lower Bound | 0.008                | 1.06                | 2.5                | 0.7                | <0.01               | 0.05                |                 |                 |
| DUP                | Upper Bound                | 0.011                | 1.35                | 2.9                | 1.1                | 0.02                | 0.11                |                 |                 |
| ORIGINAL           | Target Range - Lower Bound |                      |                     |                    |                    |                     |                     |                 |                 |
| DUP                | Upper Bound                |                      |                     |                    |                    |                     |                     |                 |                 |
| ORIGINAL           | Target Range - Lower Bound |                      |                     |                    |                    |                     |                     |                 |                 |
| DUP                | Upper Bound                |                      |                     |                    |                    |                     |                     |                 |                 |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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 Account: GOLHIGH

Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20070190**

| Sample Description         | Method Analyte Units LOD | ME-XRF26 Al2O3 % | ME-XRF26 BaO % | ME-XRF26 CaO % | ME-XRF26 Cr2O3 % | ME-XRF26 Fe2O3 % | ME-XRF26 K2O % | ME-XRF26 MgO % | ME-XRF26 MnO % | ME-XRF26 Na2O % | ME-XRF26 P2O5 % | ME-XRF26 SiO2 % | ME-XRF26 SrO % | ME-XRF26 TiO2 % | OA-GRA05x LOI 1000 % | ME-XRF26 Total % |
|----------------------------|--------------------------|------------------|----------------|----------------|------------------|------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------------|------------------|
|                            |                          | 0.01             | 0.01           | 0.01           | 0.01             | 0.01             | 0.01           | 0.01           | 0.01           | 0.01            | 0.01            | 0.01            | 0.01           | 0.01            | 0.01                 | 0.01             |
| <b>DUPLICATES</b>          |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| B280078<br>DUP             |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 4.97             |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 5.04             |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      | 4.87             |
| B280128                    |                          | 15.94            | 0.30           | 2.70           | 0.01             | 4.10             | 3.25           | 2.97           | 0.08           | 5.32            | 0.28            | 62.27           | 0.14           | 0.39            |                      | 99.67            |
| DUP                        |                          | 15.92            | 0.30           | 2.70           | 0.01             | 4.11             | 3.25           | 2.95           | 0.08           | 5.27            | 0.27            | 62.07           | 0.14           | 0.39            |                      | 99.42            |
| Target Range - Lower Bound |                          | 15.68            | 0.28           | 2.65           | <0.01            | 4.03             | 3.16           | 2.91           | 0.07           | 5.15            | 0.26            | 61.23           | 0.12           | 0.37            |                      | 98.54            |
| Upper Bound                |                          | 16.18            | 0.32           | 2.75           | 0.02             | 4.18             | 3.34           | 3.01           | 0.09           | 5.44            | 0.29            | 63.11           | 0.16           | 0.41            |                      | 100.55           |
| B280346<br>DUP             |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Target Range - Lower Bound |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |
| Upper Bound                |                          |                  |                |                |                  |                  |                |                |                |                 |                 |                 |                |                 |                      |                  |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20070190**

| Sample Description         | Method<br>Analyte<br>Units<br>LOD | ME-MS81<br>Ba<br>ppm<br>0.5 | ME-MS81<br>Ce<br>ppm<br>0.1 | ME-MS81<br>Cr<br>ppm<br>10 | ME-MS81<br>Cs<br>ppm<br>0.01 | ME-MS81<br>Dy<br>ppm<br>0.05 | ME-MS81<br>Er<br>ppm<br>0.03 | ME-MS81<br>Eu<br>ppm<br>0.02 | ME-MS81<br>Ga<br>ppm<br>0.1 | ME-MS81<br>Gd<br>ppm<br>0.05 | ME-MS81<br>Ge<br>ppm<br>5 | ME-MS81<br>Hf<br>ppm<br>0.1 | ME-MS81<br>Ho<br>ppm<br>0.01 | ME-MS81<br>La<br>ppm<br>0.1 | ME-MS81<br>Lu<br>ppm<br>0.01 | ME-MS81<br>Nb<br>ppm<br>0.1 |
|----------------------------|-----------------------------------|-----------------------------|-----------------------------|----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|------------------------------|---------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|-----------------------------|
| <b>DUPLICATES</b>          |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| B280078                    |                                   | 2640                        | 101.5                       | 120                        | 0.89                         | 2.71                         | 1.27                         | 1.87                         | 17.6                        | 4.64                         | <5                        | 4.0                         | 0.47                         | 50.9                        | 0.17                         | 5.2                         |
| DUP                        |                                   | 2680                        | 105.0                       | 120                        | 0.80                         | 2.94                         | 1.32                         | 1.89                         | 17.6                        | 5.09                         | <5                        | 3.8                         | 0.48                         | 52.1                        | 0.17                         | 5.1                         |
| Target Range - Lower Bound |                                   | 2530                        | 98.0                        | 100                        | 0.79                         | 2.63                         | 1.20                         | 1.77                         | 16.6                        | 4.57                         | <5                        | 3.6                         | 0.44                         | 48.8                        | 0.15                         | 4.8                         |
| Upper Bound                |                                   | 2790                        | 108.5                       | 140                        | 0.90                         | 3.02                         | 1.39                         | 1.99                         | 18.6                        | 5.16                         | 10                        | 4.2                         | 0.51                         | 54.2                        | 0.19                         | 5.5                         |
| B280128                    |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| DUP                        |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| B280346                    |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| DUP                        |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Target Range - Lower Bound |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |
| Upper Bound                |                                   |                             |                             |                            |                              |                              |                              |                              |                             |                              |                           |                             |                              |                             |                              |                             |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20070190**

| Sample Description         | Method | Analyte | Units | LOD | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |     |     |      |      |
|----------------------------|--------|---------|-------|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----|-----|------|------|
|                            |        |         |       |     | Nd      | Pr      | Rb      | Sm      | Sn      | Sr      | Ta      | Tb      | Th      | Tm      | U       | V   | W   | Y    | Yb   |
|                            |        |         |       |     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm | ppm | ppm  | ppm  |
|                            |        |         |       |     | 0.1     | 0.02    | 0.2     | 0.03    | 1       | 0.1     | 0.1     | 0.01    | 0.05    | 0.01    | 0.05    | 5   | 1   | 0.1  | 0.03 |
| <b>DUPLICATES</b>          |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |      |
| B280078                    |        |         |       |     | 48.6    | 11.90   | 85.1    | 8.30    | 1       | 752     | 0.1     | 0.54    | 10.00   | 0.16    | 3.21    | 90  | 3   | 13.2 | 1.21 |
| DUP                        |        |         |       |     | 49.0    | 12.15   | 84.6    | 8.35    | 1       | 760     | 0.2     | 0.59    | 10.15   | 0.16    | 3.29    | 88  | 3   | 13.1 | 1.09 |
| Target Range - Lower Bound |        |         |       |     | 46.3    | 11.40   | 80.4    | 7.88    | <1      | 718     | <0.1    | 0.53    | 9.52    | 0.14    | 3.04    | 80  | 2   | 12.4 | 1.06 |
| Upper Bound                |        |         |       |     | 51.3    | 12.65   | 89.3    | 8.77    | 2       | 794     | 0.2     | 0.60    | 10.65   | 0.18    | 3.46    | 98  | 4   | 13.9 | 1.24 |
| B280128                    |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |      |
| DUP                        |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |      |
| Target Range - Lower Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |      |
| Upper Bound                |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |      |
| B280346                    |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |      |
| DUP                        |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |      |
| Target Range - Lower Bound |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |      |
| Upper Bound                |        |         |       |     |         |         |         |         |         |         |         |         |         |         |         |     |     |      |      |

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Project: Golden Perimeter

**QC CERTIFICATE OF ANALYSIS TM20070190**

| Sample Description         | Method | Analyte | Units | LOD | ME-MS81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-4ACD81 | ME-MS42 | ME-MS42 | ME-MS42 | ME-MS42 |
|----------------------------|--------|---------|-------|-----|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|---------|---------|
|                            |        |         |       |     | Zr      | Ag        | Cd        | Co        | Cu        | Li        | Mo        | Ni        | Pb        | Sc        | Zn        | As      | Bi      | Hg      | In      |
|                            |        |         |       |     | ppm     | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm       | ppm     | ppm     | ppm     | ppm     |
|                            |        |         |       |     | 2       | 0.5       | 0.5       | 1         | 1         | 10        | 1         | 1         | 2         | 1         | 2         | 0.1     | 0.01    | 0.005   | 0.005   |
| <b>DUPLICATES</b>          |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| B280078                    |        |         |       |     | 150     |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| DUP                        |        |         |       |     | 145     |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |        |         |       |     | 138     |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |        |         |       |     | 157     |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| B280128                    |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| DUP                        |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| B280346                    |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| DUP                        |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Target Range - Lower Bound |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |
| Upper Bound                |        |         |       |     |         |           |           |           |           |           |           |           |           |           |           |         |         |         |         |



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM20070190**

| Sample Description                                          | Method Analyte Units LOD | ME-MS42<br>Re<br>ppm<br>0.001 | ME-MS42<br>Sb<br>ppm<br>0.05 | ME-MS42<br>Sc<br>ppm<br>0.1 | ME-MS42<br>Se<br>ppm<br>0.2 | ME-MS42<br>Te<br>ppm<br>0.01 | ME-MS42<br>Tl<br>ppm<br>0.02 | S-IR08<br>S<br>%<br>0.01     | C-IR07<br>C<br>%<br>0.01 |
|-------------------------------------------------------------|--------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|--------------------------|
| <b>DUPLICATES</b>                                           |                          |                               |                              |                             |                             |                              |                              |                              |                          |
| B280078<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                               |                              |                             |                             |                              |                              |                              |                          |
| B280128<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                               |                              |                             |                             |                              |                              |                              |                          |
| B280346<br>DUP<br>Target Range - Lower Bound<br>Upper Bound |                          |                               |                              |                             |                             |                              | 0.69<br>0.72<br>0.68<br>0.73 | 1.88<br>1.91<br>1.84<br>1.95 |                          |
|                                                             |                          |                               |                              |                             |                             |                              |                              |                              |                          |



ALS Canada Ltd.  
2103 Dollarton Hwy  
North Vancouver BC V7H 0A7  
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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**QC CERTIFICATE OF ANALYSIS TM20070190**

### CERTIFICATE COMMENTS

#### LABORATORY ADDRESSES

|                    |                                                                                        |          |           |         |
|--------------------|----------------------------------------------------------------------------------------|----------|-----------|---------|
| Applies to Method: | Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. |          |           |         |
|                    | C-IR07                                                                                 | FND-02   | ME-4ACD81 | ME-MS42 |
|                    | ME-MS81                                                                                | ME-XRF26 | OA-GRA05x | S-IR08  |